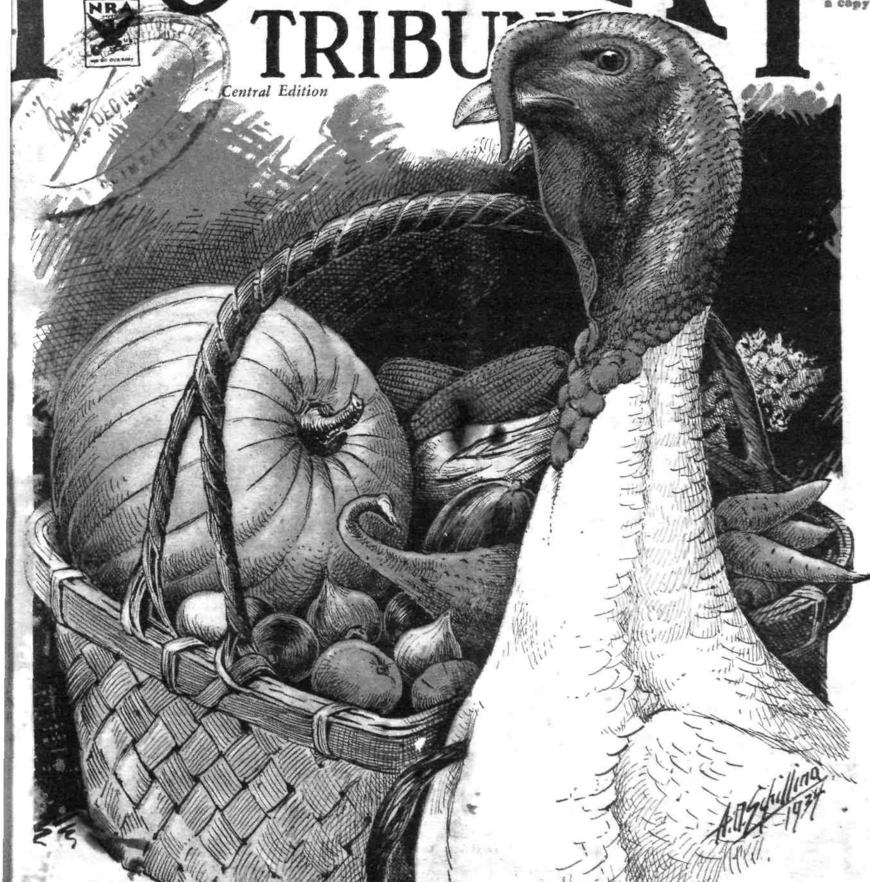
NOVEMBER, 1934

POULTRY TRIBUNE

10¢ a copy

Central Edition



Vitamin D and Winter Eggs—Florea

7 reasons why CEL-O-GLASS IS BETTER

REG. U. S. PAT. OFF. U. S. PAT. 1,580,287 AND OTHERS

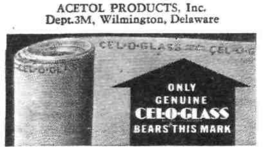
1—Keeps laying houses warmer.
2—Admits ultra-violet rays of the sun.
3—Keeps layers comfortable and in good condition all winter long.
4—Increases egg production and gives stronger shelled eggs.
5—Does not break like glass or tear like cloth.
6—Economical to install. Can be cut to any size. Is flexible.

7—GUARANTEED FOR 5 YEARS

should last years longer

Use Cel-O-Glass for cold frames and hotbed sash. Saves labor and breakage expense. Gives earlier and stronger plants. Send for free sample and installation blueprints.

ACETOL PRODUCTS, Inc.
Dept.3M, Wilmington, Delaware



ILLCO POULTRY EQUIPMENT

"the Best for Less—Always"
For superior value in materials, workmanship, service, ILLCO equipment is unbeatable. A typical unequalled value is this sturdy, 8 gal., valve and float, heated Fountain, complete with stand, only $6.35

Stop Winter Egg Slumps

ILLCO Hot Water Heating Systems insure warmth for winter egg production. Brood safely for less money. Systems for every purpose described in Special FREE Heating Manual.

BANDS Every style and size made in our own factory. Double clinch band shown, 100, 75c; 500, $3; 1,000, $5. Specify breed and numbering. *Send for complete Equipment Catalog.*

ILLINOIS SUPPLY CO.
Dept. 42, AURORA, ILL.

FAUNILIN TOBACCO DUST FOR POULTRY | **FAUNALAX** WORM & LAXATIVE COMPOUND

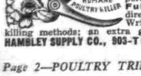
FOR DEWORMING YOUR FLOCK DIRECT FROM MANUFACTURER $2.00 100 LBS. F.O.B. PHILA. SAMPLE, ANALYSIS, DIRECTIONS ON REQUEST.

COMBINING "FAUNILIN" TOBACCO DUST WITH A MILD, SWEET INTESTINAL STIMULANT. NO PRODUCTION LOSS DURING TREATMENT. 5 LBS. POSTPAID $1.25

HENRY A. FISCHEL, INC. 418 N. 3RD ST. PHILADELPHIA, PENNA.

TRADE MARK **HOMASOTE**

INSULATING AND SHEATHING BOARD
Protects against cold, wind and dampness. FREE PLANS — Laying Houses, Brooder Houses, Special Houses for Battery Plants, also Samples of Homasote. Write today.
THE AGASOTE MILLBOARD CO.
Dept. F Trenton, New Jersey



Blade cuts arterie, pierces brain, perfect bleeding, easy picking. Fully Guaranteed. Order direct. $1.45 POSTPAID. Write for Free Folder, latest killing methods; an extra grade means more money. HAMBLEY SUPPLY CO., 903-T Grand Ave., Kansas City, Mo.

Central Edition

G. G. Sanderson, Contributing Editor

(In order to keep in closest possible touch with our readers Mr. Sanderson makes frequent trips through the states named above collecting news items and editorial matter relating to the poultry industry.)

* * *

November Events

Nov. 6-11, All American Bantam Show, Cleveland, Ohio. P. W. Bentz, Sec., 637 Sheldon Ave., Cuyahoga Falls, Ohio.

Nov. 20-23, Des Moines Co. Poultry Assoc. Show, New London, Iowa. J. B. McNeil, Sec., R. 3.

Nov. 21-25, Sheboygan Poultry and Pigeon Show, Sheboygan, Wis. Herman Herziger, Sec.

Nov. 28-Dec. 1, Southeastern Iowa Poultry Show, Packwood, Iowa.

Nov. 28-Dec. 2, Dubuque Poultry Assoc. Show, Dubuque, Iowa. Shelby Potter, Sec.

* * *

Coming Events

Dec. 1-8, International Livestock Exposition, Chicago, Ill. B. H. Heide, Sec.-Mgr.

Dec. 5-9, Greater Indiana Poultry and Pet Stock Assoc. Show, Indiana State Fair Poultry Bldg., Indianapolis, Ind.

Dec. 10-13, Four County Fair, Ackley, Iowa.

Dec. 11-14, Poultry Show, Whiteside Co. Poultry Assoc., Coliseum Bldg., Sterling, Ill. Geo. C. Beswick, Sec., Morrison.

Dec. 12-16, Madison Square Garden Poultry Show, New York City, D. Lincoln Orr, Orr's Mills, Cornwall, N.Y., Gen. Mgr.

Dec. 12-16, 44th Annual Poultry and Pigeon Show, La Crosse Poultry Assoc., La Crosse, Wis. J. E. Kirchels, Sec.

Dec. 12-17, Iowa State Poultry Show, Des Moines, Ia. Frank Harris, State House, Sec.

Dec. 27-29, Putnam-Allen Fair, Columbus Grove, Ohio.

Dec. 28-Jan. 1, St. Louis Poultry Show, staged by Miss. Valley Poultry Assoc., St. Louis, Mo.

Jan. 8-12, New York Poultry Show, 14th Street Armory, New York City. Fred Otte, Sec.

Jan. 9-12, Poultry Show, Kokomo, Ind. Jesse Snyder, R. 2, Sec.

Jan. 21-25, Pennsylvania Farm Products Show, Harrisburg, Pa. J. M. Fry, Sec.

* * *

Winton Returns To Extension Work

Columbia, Mo.—Berley Winton, who has served for the past year as senior marketing specialist in the Agricultural Adjustment Administration, will return to his former position of poultry extension specialist in Missouri at the close of his leave of absence, October 31.

Berley Winton

The AAA had requested an extension of Winton's leave, but the extension division of the University of Missouri felt that it was impossible to grant this request, inasmuch as Winton is the only poultry extension specialist at the University.

Much of Winton's work during the past year has been concerned with enforcement of the hatchery code, where he has established an excellent record. Code authorities and hatcherymen will regret to lose his services, but fairness to the poultry industry of Missouri requires his return to extension work.

* * *

Clay Designs Metal Window Frame

Cedar Falls, Iowa—Realizing the immense demand for low priced, and at the same time, practical metal window frames, the Clay Equipment Corporation, here, has designed a new frame which has been designated the Clay Air-Flow Window Frame.

While it follows the general trend of the Clay design of windows with ventilating wings for farm buildings, this metal frame also provides that the sash may be raised to two different heights, and hooked in place. The ventilating wings simply permit the sash to be tipped back at the top, allowing the entrance of fresh air without any drafts on the birds. The improvement mentioned above, however, permits the sash to be raised in summer, allowing the entrance of air both above and below the sash.

It is very easy to install, making it a simple matter to put new windows in an old building, or put additional windows in a poultry house or other building which needs more light and ventilation.

* * *

Poultry Industry Suffers Loss In Death Of W. F. Priebe

Chicago, Ill.—Poultrymen in the middle west and members of the poultry industry throughout the nation suffered a distinct loss in the death of W. F. Priebe, president of Priebe and Sons, Inc., here, August 23.

Priebe came to this country from Germany as a boy and spent his early life on an Illinois farm. With Fred Simater, he formed the firm of Priebe and Simater at Minonk, Illinois, and began to buy poultry and eggs on a graded basis. This was a new departure in the industry at that time and indicates the progressiveness shown by Priebe throughout his life.

He came to Chicago in 1904 and established W. F. Priebe and Company, which continued until the close of the war, when he took his three sons into the organization and changed its name to Priebe and Sons, Inc.

Priebe has been one of the leaders in the poultry and egg industry in practically all its phases. During the war, he served on Herbert Hoover's food administration board as representative of the poultry and egg industry. Through his own research, he has brought many progressive changes in the shipping and handling of dressed poultry and eggs.

Many farmers throughout the middle west have eagerly read each week his column carried by local newspapers.

* * *

Vermillion Fair Draws 1,000 Birds

Newport, Ind.—One thousand birds of 65 varieties were shown by 91 exhibitors in the poultry show held in connection with the Vermillion County Fair, recently.

John H. Klein, who judged the show, selected a Barred Rock owned by Clayton M. Miller, Westville, Illinois, as grand champion cock bird and grand champion bird of the show. Champion hen and cockerel were Buff Orpingtons shown by Cooke and Banta, Ridgefarm, Illinois; champion pullet was a S. C. White Leghorn shown by Dr. E. C. Test, Cambridge City, Indiana. The grand champion pen and best display were White Plymouth Rocks shown by Orpha Stewart, Newport, Indiana.

* * *

Sears Continues Fur Contest

Chicago, Ill.—During the 1934-35 season there again will be 65 daily cash awards of five dollars each at each one of Sears, Roebuck and Company's six raw fur receiving stations throughout the United States. From among the 390 pelts selected for these daily prizes, the one judged to be the best handled will receive a cash award of $750 early in April, 1935, at the termination of the Sixth National Fur Show. There are three other

(Continued on page 25)

Advertising Index on page 27

POULTRY TRIBUNE Vol. 40, No. 11, November, 1934. Published on first of each month at Mount Morris, Ill.

J. W. Watt, Publisher; O. A. Hanke, Editor; J. H. Flores, Associate Editor; G. G. Sanderson, Advertising Mgr.; H. W. Yoder, Adv. Asst.; Chas. Webster, Circulation Mgr.; A. P. Loomis, Supt. Poultry Tribune Experimental Farm; Mrs. E. J. Tilton, Home Dept.

Advertising Representatives: Chicago: J. C. Billingslea, Inc., 123 W. Madison St. Phone Central 0455.
Eastern: Hugh Thompson, 138 Watson Rd., Fanwood, N. J. Phone, Fanwood 2-7745.
Pacific: Adon A. Yoder, 608—16th St., Oakland, Calif.

Subscription Rates in U. S. A.

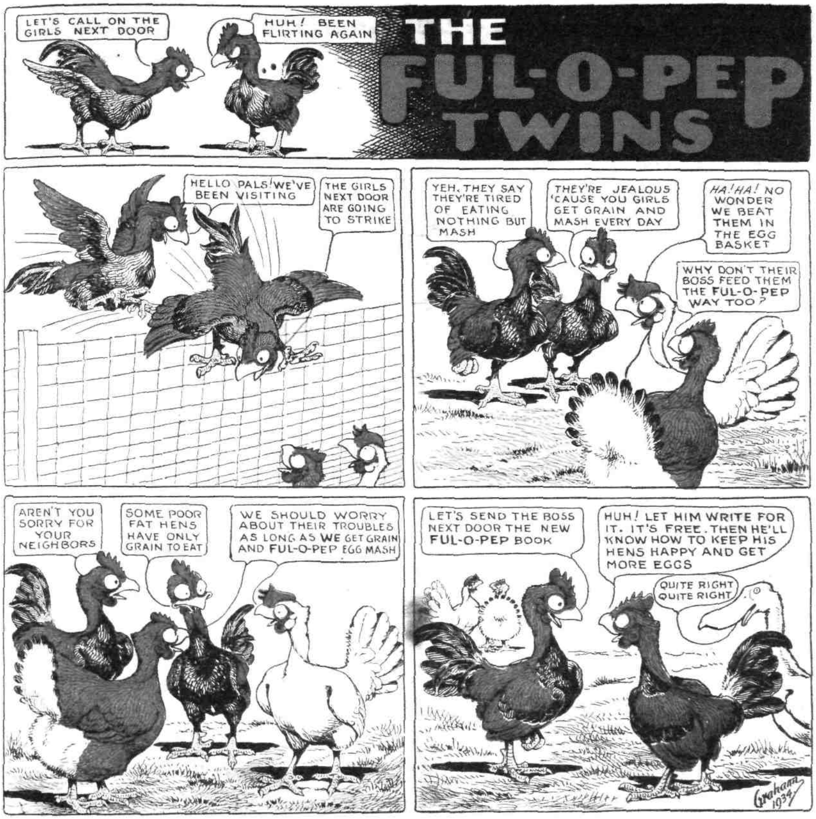
One year	$ .25	Single copies	.10
Five Years	1.00	Back copies	.20

Canada and Foreign: $1.00 a year.

Make all remittances payable to Poultry Tribune, Mount Morris, Ill. If you change your address, notify us direct, and give both your old and new address. Always state whether your subscription is a new one or a renewal; and renew by the same name and initials as address on paper or else explain why you change.

Entered at the post office at Mount Morris, Illinois, as second-class matter under Act of March 3, 1879.

This issue copyrighted, 1934, by Poultry-Dairy Publishing Co., and reproduction of any editorial matter is forbidden, except by special request.



IF HENS could only talk they would tell you that they can produce more and better winter eggs if they are fed on grain as well as egg mash.

This feeding method not only supplies those things required for making eggs, but keeps the heavy producers in good body weight, healthy and vigorous.

This is the Ful-O-Pep way—a feeding method that is used and endorsed by leading breeders and commercial poultrymen. It provides for the use of Ful-O-Pep Egg Mash, which contains the nutritious elements that maintain sound health in layers under high production and produces bigger and more marketable eggs of better shell texture and quality. It is the best and most economical egg producing mash to use.

The Ful-O-Pep way is described in the new Ful-O-Pep book, which will be sent without cost if you will fill out and mail the coupon below.

QUAKER
FUL-O-PEP
EGG MASH

THE QUAKER OATS COMPANY
Dept. 2-K, 141 West Jackson Blvd. **CHICAGO, U. S. A.**

Name..

Address..

THIS COUPON WILL BRING YOU THE NEW 32-PAGE BOOK FREE

Wouldn't This Be a Good Truck for You?

It is the half-ton, 6-cylinder Model C-1 with 125-inch wheelbase and a beautiful, streamlined 7-foot panel body. It provides ample capacity and load space for eggs, baby chicks, ground feeds, and other items requiring protection from weather. With standard equipment, this modern panel truck sells for $667 f.o.b. factory. Chassis prices on the 113-inch wheelbase Model C-1 start at $390 f.o.b. factory. Specific information will be supplied on request. International Harvester Company of America, Inc., 606 So. Michigan Avenue, Chicago, Ill.

INTERNATIONAL TRUCKS

Egg-A-Torials by O. A. HANKE, Editor

Buy Now Through FHA

The Federal Housing Administration has launched a better housing program for the farmer as well as the city dweller.

Poultry raisers will find a reference to their business in the 24-page booklet on the National Housing Act which is being distributed by the Federal Housing Administration. It is suggested that "the farmstead as a whole may require repair and alterations and improvement which will save time and labor, and add to the value of the property. Well lighted poultry houses have an effect on the volume of eggs produced. Perhaps you need a new silo, barn or other out buildings. Fences may be repaired or new ones may be built. A new roof, modern stanchions, new doors or structural additions may greatly increase the utility and earning power of barns."

The government has taken the high interest rate curse out of borrowing. No more than an amount equivalent to $5 per hundred of the original face amount of a one year note, deductable in advance, may be charged by a financial institution as interest and/or discount and/or fee of any kind. The program is notably devoid of red tape.

Two principal requirements are: (1) the annual income of the signers of the note must be at least five times the annual payments on the note. (2) That your mortgage, if any, is in good standing, and that there are no past due taxes, interest or liens against your property. Amounts up to $2,000 may be borrowed for improvements on any one property.

No, the government is not loaning the money directly. It is acting through recognized money lending agencies such as national banks, state banks, trust companies, savings banks, industrial banks, building and loan associations or finance companies approved by the Federal Housing Administration, and through contractors or building supply dealers.

There is a 24-page bulletin available free from Harry Daniel, Public Relations Division, Federal Housing Administration, New Post Office Building, Washington, D.C. Every poultry raiser owes to himself the obligation to become fully informed on this new program which recognizes our type of business.

Turkey World Purchased

Turkey World, which has been published for the last eight years by the Lightner Publishing Corporation, has just been purchased by the Poultry Tribune organization. The $50,000,000 turkey industry represented by approximately 637,000 turkey growers will now be served by this organization, which henceforth will publish *Turkey World* in the same size with numerous illustrations and a sparkling editorial content.

Poultry Tribune subscribers who are extensive turkey growers will want to receive *Turkey World* in addition to Poultry Tribune. We now plan to serve the turkey industry just as we have served poultry raisers for the past 40 years.

Poultry Tribune Experimental Farm is now eight years old. From it during this period of time have come helpful suggestions which have benefited several hundred thousand poultry raisers. A rich source of inspiration to the editorial department is this commercial poultry farm which is typical of the average commercial farm. Edited on this foundation of rich experience and practical inspiration, Poultry Tribune will continue to serve progressive poultry raisers.

No Relief Purchases Yet

Last winter when egg storage stocks were heavy, the Federal Surplus Relief Corporation purchased about a half million cases of storage eggs to relieve the surplus which was apparent then. From reliable sources of information, we have learned that no egg purchases for relief purposes are contemplated at the present time.

Storage stocks are well below the total of last year. In addition, the poultry population of the nation is the lowest since records were started in 1925. Under such circumstances, it is difficult indeed to argue for purchase of eggs by the Federal Surplus Relief Corporation. It is the policy of that corporation not to buy any commodity unless the Agricultural Adjustment Administration gives a formal statement that a surplus exists. The poultry industry, even in view of a surplus, is handicapped, however, because funds for such purposes are prescribed to come from the processing taxes of these particular commodities (poultry has none) or from the surpluses donated by the producer.

This is the situation on egg purchases which may be made by the Federal Surplus Relief Corporation. The relief agencies in many of the larger cities, however, are including large quantities of eggs in the relief diet. Poultry raisers who have contacts with such organizations should maintain a careful watch to make sure that eggs and poultry are not overlooked.

Last month we announced the first of a series of monthly contests featuring six popular breeds of poultry. It had been planned to start that series in November, but it has been found necessary now to delay the appearance of the first contest until our December number. Watch for this big feature next month.

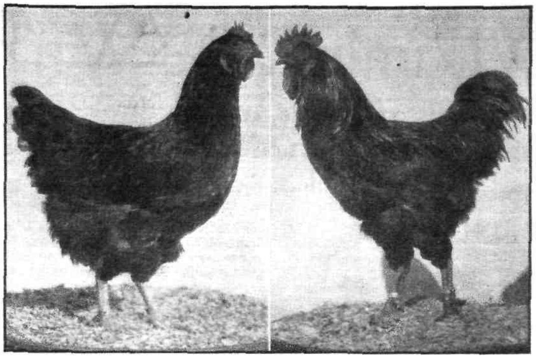
Poultry Tribune, published monthly in the interest of 400,000 progressive poultry raisers, contains many advertisements which feature the new products of manufacturers. You are invited to patronize these reliable firms which offer feed, remedies, equipment and stock.

Facts from Beltsville

Rhode Island Red hen 5787 laid 248 eggs as a pullet. She had 10 daughters which averaged 245 eggs, their range in production being from 210 to 301.

But one of her sons (right) proved to be a very poor breeder. Many of his sons and daughters were culled because of slow growth, bare backs and small bodies. His 12 daughters from two different dams laid an average of only *182* eggs.

The production of the progeny soon establishes the breeding worth of a male or female.—Editor.



How the Progeny Test Works

by **DR. M. A. JULL**
Senior Poultry Husbandman
U.S. Dep't of Agr.

A FEW *years ago* ten full-sisters won an egg-laying contest although their sire's dam laid only 130 eggs in her first laying year. When the fact became known there were many poultry breeders who wondered how in the world the owner of such a sire could have "guessed" that his pullets would have laid so well.

The answer is, there was but little "guess" about it for the owner knew pretty well beforehand what to expect from this group of full-sisters because he had records of egg production of the progeny of similar matings made on his own plant. He had already determined that the sire's dam was a very good breeder, although she had laid only 130 eggs in her first laying year. He had also determined that one or two males on his plant were dependable breeders. It seemed very obvious to him, therefore, that if he mated one of these "proved" sires to the "proved" dam the pullets they produced ought to lay well. Ten of the pullets won the contest.

FOR YEARS and years breeders the world over have endeavored to improve plants and animals by various methods of breeding and selection. For a long time many plant and animal breeders labored under the delusion that "like produces like" in all respects. This age-old saying is true only in a general sense: White Leghorn sires and White Leghorn dams mated among themselves produce White Leghorn chicks only, and Holstein bulls and cows when bred among themselves produce nothing but Holstein calves. But a Leghorn hen that laid 280 eggs in her first laying year has never been known to produce several daughters each of which laid 280 eggs, nor has a Holstein cow that produced 18,000 pounds of milk ever been known to have several daughters each with the same record as the dam.

As a matter of fact, there are many cases in which a 230-egg hen has been a much better breeder than a 280-egg hen, and there are also many cases where a 12,000-pound cow has been a better breeder than an 18,000-pound cow. The real test of the breeding worth of an individual is the kind of progeny produced rather than past performance or ancestry. That is what is meant by the progeny test. Mate two individuals together and see what kind of progeny they produce.

ANCESTRY *and the performance of* the individual are of some value, of course, but they are not nearly so important as many breeders have believed. *It is for that very reason that over twenty-five* years ago Danish swine breeders instituted a progeny-testing scheme in the selection of their boars and sows *for breeding purposes. Breeding centers* were established where records were obtained not only on the fecundity of breeding sows but also on growth in *relation to feed consumption and carcass* quality of the progeny of each brood sow. Boars and sows for future breeding purposes are selected largely on the *basis of the number and quality of the* progeny produced by a given mating.

Be it noted that the Danish "Landrace" swine are reputed to be the most *efficient producers of any swine in the* world, and Danish bacon is superior to most bacon produced elsewhere. A tribute to the success of the Danish *progeny test scheme is attested by the fact* that the United States Government has recently imported some Landrace boars and sows to serve as foundation stock in the development of a record of performance progeny-testing program in the United States. The Canadian Government was anxious also to secure some of the Landrace swine of proved breeding worth.

DURING recent years many dairy cattle breeders have realized the relative futility of selecting breeding bulls based entirely on the milk production records of their dams, and they have also come to realize the limitations of the milk production record of the cow as an indication of her breeding worth. Holstein and Jersey breeders in the United States, Ayrshire breeders in Canada, and Guernsey breeders on the Isle of Guernsey now realize that the average milk production of the daughters of a given mating is a much more reliable index of the breeding worth of a sire and dam than ancestry or past performance. In many cases bulls for future breeding purposes are being selected on the basis of the average milk and butterfat production of their daughters. It is the progeny test that really counts because if it is properly applied it picks the best breeders.

PLANT breeders have accomplished much more than animal breeders in improvement work but that is largely because the plant breeder has much more material to select from; the progeny of each mating are more numerous and the cost of reproduction is much less. By applying the progeny test, the plant breeder has developed superior strains of various cereals, fruits, flowers, and vegetables, some of which through further progeny testing have been developed until they are highly resistant to rust or wilt. It is obvious that the most practical way in which the plant breeder could make progress in developing disease-resistant strains was to select his breeding plants from among the progeny that proved to be most highly disease-resistant.

In breeding for increased egg production a few of our leading poultry breeders during the past few years have been applying the progeny test in the selection of their breeding stock. Sires and

(Continued on page 9)

Vitamin D and Winter Eggs

New facts on sunshine, cod liver oil, other oils, special glass, glass substitutes, and ultra-violet light in flock management.

by **J. H. FLOREA**
Associate Editor

OF ALL THE research done on poultry feeding, it is doubtful if there has come any single development more far reaching in its effect than the discovery of the importance of vitamin D in poultry rations.

This discovery, made by Hart, Halpin and Steenbock at the University of Wisconsin back in 1922, opened up whole new fields of opportunity in poultry raising. Supplying this sunshine vitamin made it possible to raise baby chicks in confinement without leg weakness, to get more eggs from hens during the winter, to prevent paralysis of heavy laying hens, and to get eggs with better shells and better hatchability.

As we enter this winter season, poultrymen mainly are interested in whether the vitamin D will benefit their laying hens and how it may be provided.

While this early work at Wisconsin gave practically as complete answers to these questions as we have, yet recent experiments at the agricultural experiment station of the State of Washington serve to supplement our earlier information.

In these experiments, six pens of pullets were confined, and cod liver oil was added to their ration in varying amounts from zero to one-half of one per cent. The difference in results given by these various pens is almost unbelievable.

PEN 1 which received no cod liver oil and no other source of vitamin D averaged 26.7 eggs per bird during the year. The pen which received one-half of one per cent of the oil in the ration averaged 217.4 eggs per bird.

In most of the pens there was a steady increase in number of eggs per bird as the percentage of cod liver oil in the ration was increased.

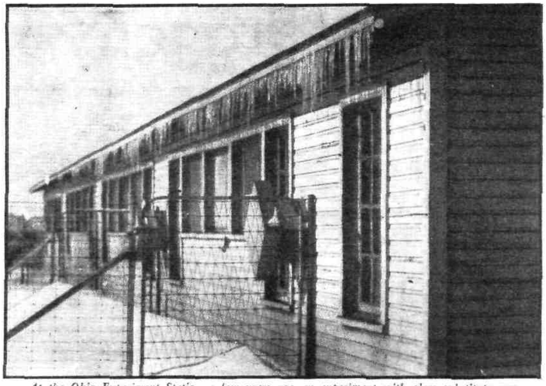
Not only did the birds receiving adequate vitamin D lay more eggs, but they also laid larger eggs. Eggs from those pens which received no cod liver oil averaged 20.2 ounces per dozen, while those getting one-half of one per cent cod liver oil in their ration laid eggs averaging 23.1 ounces per dozen, and the pen receiving only one-fourth of one per cent oil in their ration laid even heavier eggs. In fact, it appeared that a very low amount of oil was sufficient to give satisfactory egg weight.

When eggs from these various pens were incubated the hatchability increased as the amount of vitamin D increased. Eggs from pens receiving little or no vitamin D did not hatch at all. Some birds which had stored up vitamin D during the summer were able to lay a few hatchable eggs until January, but after that time no hatchable eggs were laid even by these birds, so the result ranged from zero hatchability with those receiving no vitamin D to a hatchability of 68.2 per cent in those receiving one-half of one per cent of this particular oil in their ration.

Egg shells in those pens receiving insufficient vitamin D were thinner and more easily broken than those receiving an adequate amount of the sunshine vitamin.

ANOTHER interesting result was brought out in the fact that mortality in the six pens decreased almost exactly in proportion as the amount of cod liver oil was increased. Thus, the per cent mortality in the first year for the pen receiving no cod liver oil was 36.4 per cent. Mortality in the pen receiving one-half of one per cent cod liver oil was 9.1 per cent. There was some variation in mortality, but in general this decline in mortality as the cod liver oil increased held true. The causes of mortality in all of the pens were about the same except in those to which insufficient vitamin D was provided where the principal cause of mortality was paralysis (leg weakness) or broken legs resulting from rickets.

A very interesting observation is reported as follows: "From observations made on these lots, the hens which had the smallest amounts of vitamin D in their ration went on the nest regularly but very seldom laid an egg. Their external characteristics, such as combs, ear lobes, wattles, as well as the pliability of the abdomen and pelvic bone gave every indication of laying condition. When insufficient amounts of vitamin D were present in the ration, apparently the ovules (egg yolks) of laying hens developed to almost normal size and then shrank and were partially reabsorbed. This caused them to appear to be in a laying condition, but did not permit them to lay because of the undeveloped state of the ovules."

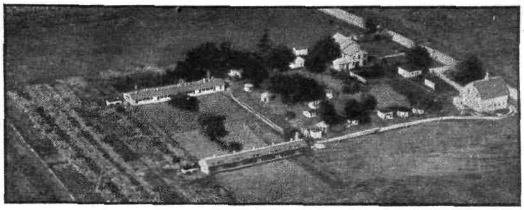


At the Ohio Experiment Station a few years ago an experiment with glass substitute was conducted which gave very similar results to those reported from the Washington Station which used cod liver oil. A good glass substitute, or special glass, in the poultry house windows is a good investment.

THE principal aim in these tests was to prove not simply the findings that have been made in many other tests of a similar character, but the aim was to determine more definitely the required amount of vitamin D. From the average poultryman's standpoint, however, the results as outlined are the most significant.

At the same time that these tests were run with pens of confined hens, five pens were provided with the same amounts of cod liver oil, but in addition were allowed outside in a sunporch throughout the year. In these pens, the difference in results was not so noticeable. During the winter months, however, beginning with December and continuing until April, the pen which had no cod liver oil in the ration, but which had access to a sunporch pro-

(Continued on page 16)



Poultry Tribune Experimental Farm at Mount Morris, Ill.

Timely Tips!

by A. P. LOOMIS

Sup't. Poultry Tribune Experimental Farm

(Poultry Tribune Experimental Farm Photo)

Single wall poultry houses can be made much warmer by tacking a wind proof building paper between the studs. The second story of a barn at Poultry Tribune Experimental Farm is being covered with a special sisal paper.

MAYBE YOU DON'T like to read too many figures, but here are a few for quick reference when you are housing pullets this fall. In the average house, allow about three square feet of floor space per bird for light breeds, and four square feet per bird for heavy breeds. If you have a real good, well ventilated and well arranged house, you probably can get by with a little less space per bird.

On the roosts, allow seven inches for Leghorns, ten inches for Rocks and other breeds that size, and more space in proportion for larger breeds. Place the roosts about 14 to 16 inches apart.

Provide one nest for every seven hens, or if you are trapnesting, one nest for every four.

For the hens to eat comfortably, give them one foot of hopper space for each five birds. Thus a hopper ten feet long is enough for 100 birds if they can eat from both sides.

Provide enough fountain capacity that each 100 heavy laying birds will have about six or seven gallons of water per day.

* * *

IF YOU ARE worrying about your pullets molting this winter, just remember that the most important thing in preventing it is to keep up their body weight. Keep them slightly gaining in weight during the winter. Mark a few and weigh them occasionally if you can't judge their weight any other way.

More grain, a moist mash, the use of lights, or any other practice which will stimulate

Poultry Tribune Experimental Farm Photo

Poultry raisers who have trouble with colds and roup each fall and winter will find it easy to vaccinate with one of the many reputable avian mixed bacterins. A very small quantity of the bacterin is injected just under the skin—subcutaneously it is called. Any poultry raiser can soon learn how to do it.

feed consumption usually will aid in holding up body weight.

* * *

I SHOULD NOT be surprised if a lot of flock owners have to send out an "SOS" this winter and early spring for good breeding cockerels. Higher feed costs are probably responsible in part for a lot of small breeders, at least, disposing of a larger percentage of their cockerels than in previous years, and good ones already seem to be in demand. Early buyers usually get the best birds and to those who put it off too long the "SOS" referred to likely will mean "Suitable Ones Sold."

Another advantage in buying early is that it gives time to keep new birds segregated from the main flock for two or three weeks which is a very good practice. This gives time for colds, pox, or any of the diseases that sometimes develop after shipping, to show up before exposing the whole flock. A few unnoticed lice or their eggs will also multiply to quite noticeable numbers during this quarantine period.

Of course, really good breeders have already vaccinated and treated birds for both internal and external parasites.

* * *

SO FAR THESE "tips" have all been to the buyer, now one or two for those having cockerels for sale. First, send those unsuitable ones to market right now. Second, never ship out a lousy bird. Male birds are much more likely to have lice than hens or pullets. Just recently (and many times in years gone by) I saw three birds uncrated that had traveled across several states and were simply alive with body lice. Nothing, except a very poor bird, makes a worse impression on the buyer, not only of the birds in question, but of the man that shipped them out in that condition.

* * *

LATE HATCHED CHICKS are usually more heavily infested with worms than early ones and should be closely examined and treated.

However, a really close examination can only be made in a reliable laboratory as some of the most destructive types of tape worms cannot be detected without the use of a powerful microscope.

The larger round worms and tape worms can be found by slitting the intestines their full length, and looking carefully. Sometimes passing the cut intestines through a pan of clear water shows up the worms more quickly, as they tend to float free in the water. A way to see the real small ones is to scrape off some of the material in the intestines and press it out between two pieces of clear glass, then hold them between you and the light.

* * *

POULTRY RAISERS in the drought states report a shortage of material for litter. Peat moss, oat hulls, rice hulls and wood shavings make excellent litter. These can be purchased in various sections of the country.

For those who cannot afford to buy a good litter, chaff, ground corn cobs, even chopped corn fodder, leaves or other available roughage will be better than nothing.

* * *

WHERE IT IS at all possible, hens and pullets should be housed separately for best results. When they are mixed together, the pullets are treated like a new boy at school.

Poultry Tribune Experimental Farm Photo

Here they are—some 500 choice Thanksgiving dinners. Turkey raising for the last five years has played a big part in the farming operations at Poultry Tribune Experimental Farm.

* * *

New Jersey is said to be the only state whose state police register poultry flocks to identify stolen birds. Each poultryman who wishes may tattoo his birds with an assigned number.

* * *

AS WE ONCE heard a little city boy express it,—it won't be long 'til "toikey day." Due to feed shortage in the western turkey raising areas, it is probable that there will be a temptation to market many birds without proper finish. Properly fattened birds, for that reason, are likely to bring a better premium this year than usual.

Turkeys at Poultry Tribune Experimental Farm this month will continue to get a good commercial growing mash, and corn, wheat and oats in hoppers before them constantly. In addition, we like to give them once a day a moist mash made up of alfalfa meal, growing mash and milk.

The birds eat several times as much grain as mash. At certain times they seem especially to like the oats which helps to make well fleshed birds without a ball of soft fat in the abdomen.

200 Approved Products!

A new leaflet just released lists more than 200 products such as brooder stoves, brooder houses, mash hoppers, fire guns, fencing material, laying house equipment, etc., which have been approved after test at Poultry Tribune Experimental Farm. This leaflet is available to Poultry Tribune subscribers for three cents in stamps. Address: Poultry Tribune, Service Department, Mount Morris, Illinois.

Watch this tiny tablet take up moisture. It quickly dramatizes the characteristic moisture-absorbing property of Emblem-Protected Peat Moss.

You Can Make Your Laying House Free From Dampness, Snug & Warm and get your money back

● **Before Winter threatens, insure the health and production of your flock by covering and insulating your floors with Emblem-Protected Peat Moss. This poultry litter saves labor, reduces offensive odors, prevents the spread of disease, promotes exercise, absorbs body and atmospheric moisture, and eliminates cold, damp floors.**

Besides, when you are ready to clean out your houses, Emblem-Protected Peat Moss *is of even greater value—a complete and much-desired fertilizer that* readily sells for as much as 50 cents per bushel. Emblem-Protected Peat Moss is sold under various trade names, but the triangular inspection certificate on each bale guarantees these advantages:

1. **Matchless in quality—comes from the world's finest peat bogs.**
2. **Completely aged—Nature's contribution to better absorbency.**
3. **Proper density that insures long *life—does not dust quickly.***
4. **Expertly refined, carefully inspected for uniformity, shipped in tightly pressed bales.**

Get our booklet giving full facts why you should use Emblem-Protected Peat Moss — the superior poultry litter. You will find this valuable booklet interesting and *instructive. Clip and mail the coupon* for your copy today.

PEAT MOSS

PIC

This triangular inspection certificate protects you against inferior peat moss.

FREE THESE VALUABLE BOOKLETS

PEAT IMPORT CORPORATION
155 John Street, New York, N.Y.

Please send your free booklet, "Quality Peat Moss Poultry Litter." I am also checking other Peat Moss folders that particularly interest me.

☐ How to sell your Peat Litter for Fertilizer.
☐ Peat Moss for Winter Mulch.
☐ Peat Moss for Lawns and Gardens.
☐ Facts about Peat Moss.

PT-11-34

*Name*________________________
*Address*________________________
*City*________________ *State*________

Egg and Poultry Prices!

Egg Prices Climb Slowly—Heavy Poultry Marketing Continues—*Smaller Turkey Crop*

(Written October 12)

After making a rather spectacular rise during the latter part of August and early September, egg prices weakened temporarily, and have continued their upward climb more slowly. The spread between prices this year and a year ago is less than it was last month, *but prices still average higher than last year.*

Receipts of eggs at the large markets continue well below last year, but the sudden price rise evidently caused many consumers to shift to other foods, or cut down on their *egg buying. From now on, the margin of* egg and poultry prices over a year ago probably will depend largely on general food prices and increase in consumer buying power.

Eggs have not been withdrawn from storage *quite as rapidly as last month,* and on October first there were 6,803,000 cases in storage compared with 7,466,000, a year ago, and a five-year average of 7,338,000 cases.

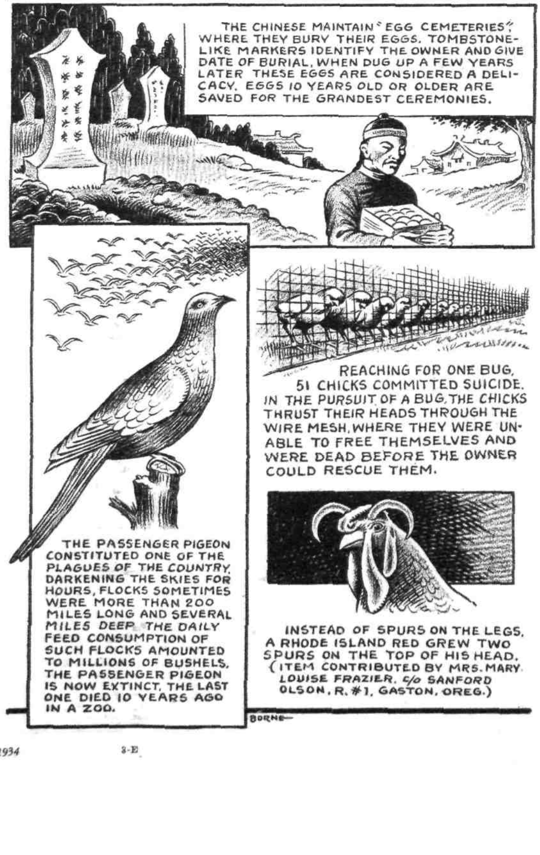
Relatively, poultry prices are somewhat better, when compared with last year, than egg prices. It is generally felt, however, that poultry prices are not likely to rise muc more at the present time. Poultry has bee coming to market very freely, and storag supplies have risen quite rapidly. On Octo ber first there were 55,271,000 pounds i storage compared with 50,177,000 pounds year ago, and a five-year average of 49,359 000 pounds.

Probably most interest just now is in tur key prospects. It is agreed that the turke crop in the heavy western producing state will be about 15 to 20 per cent less than year ago. A few other sections of the coun try appear to have about a normal crop, bu in general, the turkey supply is expected t be a little shorter than last year. Further more, many of the turkeys in the wester *states will not be finished sufficiently well fo* the Thanksgiving market.

What few turkeys have come to market t date have sold slightly higher than at thi time last year, but it is yet too early to ge *any very definite indication of what turke* prices will be. They are very likely to b slightly higher than last year, but, as ha been demonstrated with egg prices, they can not be put up too high and hold the hig *level of consumption which has been attaine* during the past couple of years. All turkey which are well finished and ready for marke probably should be sold at the Thanksgivin market, holding the poorer birds for an addi tional month's feeding before the Christma and New Year markets.

FACTS, NEVERTHELESS

By Carl H. Schroeder



How the Progeny Test Works

(Continued from page 5)

dams *that prove to be good* breeders as judged by the egg production records of the daughters are used as long as possible. Cockerels and pullets for future breeding purposes are selected from among the best families. Up-to-date breeders attach less significance *than formerly to the records of egg production of the* dams and sires' dams used *in* breeding pens. They keep as complete records as possible concerning the progeny of each mating and select their breeders according *to the results* secured.

THE results secured in White Leghorns and Rhode Island Reds at the U.S. Animal Husbandry Experiment Station, Beltsville, Md., show quite clearly that the progeny test discloses the best breeding stock. The White Leghorn breeding stock consisted of dams having a minimum first-year record of 225 eggs and sires whose dams also laid 225 eggs. The Rhode Island Red breeding stock consisted of dams *having a minimum first-year* record of 200 eggs and sires whose dams also laid 200 eggs.

The sires and dams, therefore, were a selected group, just as is the case with record of performance and other breeders who have adopted a definite breeding program. All pullets secured from the sires and dams of each breed that were put in the laying houses in the fall of the year were allowed to complete their first laying year. In other words, there *was no selection of the progeny of the different* matings; the only incomplete records being those of pullets that died during the first laying year. The average egg production of the White Leghorn pullets was 192.87 eggs and of the Rhode Island Reds 192.03 eggs.

Very briefly, the results secured show that the dam's record of egg production bore no significant relation to the average egg production of her daughters, nor did the egg production record of the sire's dam bear any *significant relation to the average egg production* of the sire's daughters. On the other hand, the average egg production of the six nearest female ancestors of both sire and dam bore a *significant relation to the average egg production* of their progeny. All this means that the selection for breeding purposes of 200-egg Rhode Island Reds and 225-egg White Leghorns was of value in maintaining good egg production in the progeny, and that the higher the egg production of all females in the ancestry *the higher the average egg production* of the progeny tends to be. Although records of egg production in the ancestry for three generations proved to be of some value in the case of the two selected groups of dams used as breeding stock, the fact remains that *the egg production record of any single dam could not be used as an indication of her* breeding worth. This is not surprising when one takes into consideration the effects of environmental influences on egg production.

THE thing of outstanding importance in connection with the results secured from the Beltsville breeding stock was that the average egg production of the daughters of a given sire and a given dam proved to be by far the most reliable index of the breeding worth of the sire and dam. *The best index of a superior sire* was the average egg production of his daughters; in other words, the progeny test picked the best sires. For instance, in White Leghorns 49 daughters of one sire laid an average of 168 eggs whereas 45 daughters of another sire laid an average of 229 eggs, *the difference being 61 eggs per pullet in favor* of the superior sire. In Rhode Island Reds 75 daughters of one sire laid an average of 171 eggs whereas 48 daughters of another sire laid an average of 219 eggs, the progeny of the superior sire laying an average of 48 more eggs per pullet. A dam of superior *breeding worth is most readily identified* when two or more groups of her pullets secured from different sires to which the dam is mated all have high average egg production. Poultry breeders will do well to select their males and females for future breeding purposes on the basis of the performance of the progeny of *various matings. Progeny testing is* the only way in which the greatest progress can be achieved in breeding for increased egg production.

Bargain Offer!

POSTPAID

GENUINE WEATHERPROOF UNBREAKABLE

FLEX-O-GLASS

NOW ONLY 25c A Square Yard

For 10 yards or more (formerly 50c a yard)

Remnants from large rolls sent to dealers—Fresh and New

3, 5 and 10 yard Cuttings—1 yard wide—GUARANTEED

Extra eggs or chicks saved pay for this Flex-O-Glass Scratch Shed in a few days.

Ideal for enclosing porches, health rooms, covering screen doors, etc.

Flex-O-Glass hotbeds grow plants quicker and much stronger.

Just cut with shears and nail on barn, chickencoop, hog house and garage windows.

Here's your chance to buy genuine Flex-O-Glass, the best, strongest, most durable Ultra-Violet Ray filter made, *for half its regular price*. Here's your chance to put Flex-O-Glass in your poultry house windows, hotbeds, on your screened porches and screen doors or to replace glass windows in your house, garage or barn—at a big saving. The Flex-O-Glass offered at 25c a yard is fresh and new, fully guaranteed in every way. *The only difference between* this and the Flex-O-Glass sold at twice the price, is the length. Comes only in 3, 5 and 10 yard lengths, which are the left-overs from longer cuttings from our standard rolls. The supply is limited. Order today.

Lets in Healthful Ultra-Violet Rays

Gives hens June sunshine full of egg-making Ultra-Violet Rays, all winter long, while prices are high.
Transforms porch into a warm, dry, sunlit health-room in which to work, read, rest—*or ideal children's winter* playroom. Saves *fuel* and *doctor bills*.
Keeps baby chicks warm and healthy indoors. Prevents rickets (weak legs) diseases and deaths.
Better than plain glass on Hot-Beds. Scatters light. Approved by thousands of users and all leading authorities. Just cut with shears and nail on ordinary window frames at one-tenth the cost of glass, wherever light, warmth and health are needed. Lasts for years.

USE IT 30 DAYS AT OUR RISK

Don't wait! Don't hesitate! Our stock of these 3, 5 and 10 yard lengths at 25c a yard is limited. Order now while the supply lasts. Enclose check or money order for number of yards wanted. We pay the postage on ten yards or more. If your order totals less than ten yards add 3¢ per yard for postage. Your money back if not satisfied. You take no risk. 24 hour service. Free book "Prevention of Poultry Diseases" comes with your order.

FLEX-O-GLASS MANUFACTURING COMPANY
1451 N. Cicero Ave., Dept. 31, Chicago, Illinois

Mail This Guarantee Coupon Now

FLEX-O-GLASS MFG. CO., Dept. 31
1451 N. Cicero Ave., Chicago, Ill.

Find enclosed $.......... for which send me .... yards of Flex-O-Glass 36 inches wide, by prepaid parcel post. If I am not absolutely satisfied after using the Flex-O-Glass 30 days I may return it and you will refund my money without question.

Name ....

Town .... State ....

SEXED CHICKS

(NOT CROSS-BRED) STRAIGHT BREEDS

EITHER PULLETS or COCKERELS...ONE DAY OLD SEXED BY OLDEST, MOST ACCURATE METHOD 90% ACCURACY GUARANTEED

Do you want pullets ONLY? Or, would you prefer only roosters? Now you can raise either one, with a 90% certainty or your money back on any chicks not of the sex you purchased! Yes, sir! You don't have to buy cross-bred chicks to get the sex you want. Rusk Farm offers you day-old pullets, or day-old roosters of any popular straight variety you want—Leghorns, Rocks, Reds, Buff Minorcas, Jersey Giants, and 15 other varieties. Sexed by the Japanese method. In use by the Japanese over 40 years, whereas other methods comparatively new. We have 16 sexing operators, with average grades of over 94% accuracy. We actually guarantee 90% accuracy. Investigate RUSK **Sexed** Chicks. Experiment Stations show that where sexes are separated they grow faster, and you also save *feed and brooding expense*, as if you want only pullets or cockerels, you need only about half the chicks you would ordinarily buy. Our demand is sensational, so don't wait, as we do not know how long our supply will last. Write today, to be safe.

Money-Back GUARANTEE

We guarantee 90% pullets or 90% cockerels, whichever you order. Should you fail to receive 90% cockerels or pullets, we will refund cash in full at price paid per chick for number below 90% you failed to receive.

BLOOD TESTED

We have blood tested 10 consecutive years. Our flocks tested by Stained Antigen Rapid Whole Blood Test. **Sexed Chicks in Buff Minorcas, Jersey White Giants, and 15 Popular Straight Breeds.**

CATALOG FREE. *Code No. 525*

RUSK POULTRY FARM, Box 726-M, WINDSOR, MO.

CATALOG FREE

Increase Winter Egg Yield

New 300 Candle Power White Light

Every poultryman knows longer working days for hens means more eggs. Here's a wonder invention—a handy, safe lantern—lamp—just right to light hen house night and morning. Soft, brilliant white light—like daylight. The advantages of electricity at 1-10 the cost..

Burns 96% air—only 4% fuel—gasoline or kerosene. Gives 20 times brighter light than wick lantern on half the fuel. No fuss, no muss, no odor, no danger. Lights with match—simple, easy to operate. Most practical poultry-house light.

Home Trial—30 Days at our expense. Pays for itself in week or two. Send for money-saving, introductory offer and big descriptive catalog giving valuable poultry facts FREE. Send your name today—no obligation.

THE AKRON LAMP COMPANY
311 Lamp Bldg., Akron, Ohio

Agents—Make Big Money

Write me quickly. No experience or capital required. Outfit Free to workers. Exclusive territory. Big Season Address me personally—say "Send Agent's Free Outfit Offer." J. C. Steese, Pres.

***Raise them on* WIRE FLOORS**

Wire floors mean healthier chicks—lower mortality. Use Crown's Hardware Cloth—best quality, heavily galvanized. Buy wire fabrics and supplies direct at low cost. Save money.

Ask for FREE Catalog

CROWN IRON WORKS CO.
1371 Tyler Street N. E., Minneapolis, Minnesota

***The* MONROE**

A NEW Germinator *and* Green Feed Grower

Controled Ventilation; Moisture Condenser; Violet Ray Light; Insulated construction; Safety Heat. Get the Monroe circular and learn of this new and valuable invention for the poultry keeper.

Close-to-Nature Co., Dept. A, Colfax, Ia.

EVEN LAZY HENS WILL LAY!

INCREASE PROFITS QUICKLY

Hens don't loaf because they are lazy. They fail to lay as they should because minerals and food meant for egg production go for increased weight and feathers. It won't do much good to increase their food but egg yield will increase if you feed this concentrated tonic of rare blood building minerals and imported herbs to stimulate the body functions.

Just add two pounds of Pratts Poultry Regulator to 100 pounds of mash. You'll see the difference at once. Your flock will have more pep, combs will brighten, moulting will be shorter and your egg production and profits will jump. Only two cents a day will put new life into 100 hens.

Here's Pratts Guarantee:—If you do not begin to see results within 15 days your money will be refunded without question. See your dealer. If he cannot furnish, send coupon below.

PRATT FOOD CO., Dept. 738
Philadelphia, Pa.

I enclose $1.00 for a generous trial package of Pratts Poultry Regulator, sufficient to regulate 125 hens for 30 days. Postage paid.

Name..........
Address..........
City.......... *State*

Pratts POULTRY REGULATOR

This FREE BOOK

"How to Raise Poultry for PROFIT"

tells How to Get More Eggs, Save on Feed, Avoid Sickness and Losses, Raise Fat Broilers Quickly

THIS amazing book tells how hundreds make big money with *Poultry—how YOU can make it pay you handsome* profits—spare or full time! No matter where you live or what you do now—there's quicker, bigger money in scientific Poultry Raising. FREE BOOK is yours for the asking—no "strings"—no obligation!

Be a Poultry Expert — Make $35 to $75 a Week — Learn at Home!

Poultry Experts needed—for good positions with Poultry Farms, Breeding Concerns, Hatcheries, Egg Packing Plants, and other branches of billion-dollar industry. Our Employment Dept. helps you get such a job when you are ready! Or, if you want to be your own boss—here is **one** business you can start in "on a shoe lace." You may begin small—and multiply profits by tried, tested methods successful for hundreds of others!

HARRY M. LAMON
former Senior Poultryman, U. S. Dept. of Agriculture, famous as Breeder, Judge, International Authority on Poultry. His knowledge—his profit-producing methods, his personal instruction and friendly help can now be yours. Write for his FREE BOOK TODAY!

FREE **Write for FREE Book TODAY**

Post card brings **"How to Raise Poultry for Profit"**—telling how Harry M. Lamon trains you at home, in spare time, to make big money.

National Poultry Institute, Inc., Dept. 211, Adams Center, N. Y.

Recent Discoveries!

Reviewed by DR. L. E. CARD
University of Illinois

RYE AS A FEED FOR POULTRY.—With the shortage of wheat and oats available for poultry feeding, many flock owners are inquiring about the use of rye. A report from the *Wisconsin Experiment Station* is of interest. It appears that rye can better be substituted for corn than for bran and middlings, the wheat by-products apparently supplying something which is lacking or found in too small amounts in rye. The conclusion reached by the Wisconsin workers is that rye appears to be an unsatisfactory feed for young chicks, but may be used in rations for growing pullets and laying hens.

* * *

TURKEYS AND VITAMIN A.—Experiments at the *California Experiment Station* have shown that turkey poults fed from hatching time on a ration lacking vitamin A not only failed to grow properly but developed symptoms of an acute infectious disease. In every experimental lot in which the two were grown together, turkeys were found to be more susceptible to vitamin-A deficiency than were chicks. The lesions were never as numerous in turkeys as in chicks, and were confined principally to the crop and lower esophagus. The bursa of Fabricius was also affected in a majority of both chicks and poults, a white, flaky, urate-like deposit between the thickened bursal folds being the most common manifestation.

The mortality in turkey poults varied inversely as the amount of alfalfa leaf meal in the ration when it was used as the source of vitamin A. The mortality was 98%, 67%, and 55%, respectively with alfalfa levels of 1, 2, and 4 per cent. No deaths resulted from a lack of vitamin A in lots receiving as much as 8 per cent of alfalfa leaf meal.

* * *

FATTENING CHICKENS.—Prof. W. A. Maw, at *Macdonald College, Quebec,* has been doing some interesting and valuable work on experimental fattening of chickens. In a recent report he shows the relation between initial weight of the chicken to be fattened and the percentage gain, economy of gain, and percentage of flesh on the finished carcass.

The average weights of the different groups at the beginning of the 14-day fattening period were approximately 2, 3, 4, 5, and 6 pounds. The corresponding percentage gains were 42, 24, 15, 12, and 11. The amount of feed consumed for each pound of gain was 3.8 lbs., 5.2 lbs., 6.0 lbs., 6.8 lbs., and 6.4 lbs., respectively, and the per cent of flesh on the chilled dressed carcasses, given in the same order, was 43, 50, 52, 54, and 56.

It is evident that young chickens fatten more economically and show a greater percentage gain, but that they do not present as plump a finished carcass as larger birds.

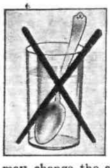
* * *

DRIED SKIMMILK AND VITAMIN G.—Davis and Norris at *Cornell University* have recently reported on the influence of method of manufacture on the vitamin G content of dried skimmilk. They used dried milk made by each of three processes—Merrell-Soule spray process, Gray-Jensen spray process, and open-roller process—compared with liquid skimmilk. When added to a basal diet deficient in vitamin G and adjusted to an equivalent protein level, it became apparent that there was no measurable destruction of vitamin G in the drying of milk by any one of these processes.

* * *

PERCENTAGE OF FIRM WHITE IN STORED EGGS.—Almquist and Lorenz at the *University of California* undertook to determine whether the percentage of thick or firm white in eggs could be used as an indication of their keeping quality when placed in storage. It is usually conceded that a high percentage of thick white is a desirable characteristic, but the question was whether such eggs would be any better after a period

RELIEVE ACID INDIGESTION WITHOUT HARSH, RAW ALKALIES!



Millions Have Found Faster, Surer Relief In New-Type Mint

HEARTBURN is distressing. But there's no longer any need to resort to harsh alkalies in order to relieve a sour stomach, gas, or after-eating distress.

Strong, water-soluble alkalies taken in excess may change the stomach juices *completely*—slowing up digestion instead of helping it.

The new, advanced, most effective and *safe* relief for acid stomach is TUMS. TUMS contain no soda or any other water-soluble alkali—instead this candy-like mint contains an unusual antacid soluble only in the presence of acid. When the excess acid in the stomach is neutralized, the remainder passes on undissolved and inert. No danger of alkalosis or kidney poisoning from TUMS.

Try TUMS—3 or 4 after meals, when distressed. Eat them just like candy. You'll be grateful for the wonderful relief. 10c a roll at all drug stores. 3-roll carrier package, only 25c.

Free 1935 Calendar-Thermometer, beautifully designed in colors and gold. Also samples TUMS and NR. *Send stamp for postage and packing to* A. H. LEWIS CO., Dept. 28-SKK, St. Louis, Mo.

TUMS FOR THE TUMMY

TUMS ARE ANTACID . .
NOT A LAXATIVE

HANDY TO CARRY

For a laxative, use the safe, dependable Vegetable Laxative **NR** (Nature's Remedy). Only 25 cents. **NR**

SHOES LIKE NEW AS LOW AS 2¢ A PAIR IT'S EASY

EARN UP TO $2 IN AN HOUR

SAV-AN-UPPER completely covers scuffed, discolored and faded uppers of any shoes with a wear-proof, highly polished coating and makes them look like new. Quick, easy, economical. Takes only a minute. **Just brush it on!** More than a polish; more than a dye. Absolutely new and different. Guaranteed.

Just Brush it on

FREE SAMPLE: Write today for **free sample** which proves all claims. Send no money. Act now!

SAV-AN-UPPER CO., Dept. C-237, Cincinnati, Ohio

BECK'S WARM FLOOR BROODER

Build it Yourself—Broods 150 chicks. FEW CENTS weekly runs it. Plans. Heater $4.25. CIRCULAR FREE.
R. L. BECK, Box 42, SULLIVAN, WISCONSIN

SEND NO MONEY **Given Away** WE TRUST YOU

New style WATCH or ALARM CLOCK given for selling 8 boxes ROSEBUD SALVE at 25c ea. Will send extra FREE GIFT if you order Salve TODAY!
ROSEBUD PERFUME COMPANY, Box 124, Woodsboro, Maryland.

HOME MADE CANDY . . PAYS BIG

Earn good money from the very beginning. Make candy at home in spare time. Start small; grow quickly. Expert teaches practical, money-making methods by mail. Big profits all year 'round. Write for FREE details!

LEWIS TRAINING INSTITUTE
SUITE ST-7521 WASHINGTON, D. C.

HELP Wanted IN INSTITUTIONS & HOSPITALS

INEXPERIENCED & EXPERIENCED ● Male & Female ●
All kinds of POSITIONS EVERYWHERE. Write now, enclosing stamp
SCHARF BUREAU, Dept. 11-75, 145 W. 45th St., New York

of storage than eggs which before storage contained lower percentages of thick white.

Every other egg from a large number of hens was examined for percentage of thick white, the alternate eggs being oil dipped and placed in storage at 30° F. After 4½ months in storage the oil-dipped eggs were examined in the same way for consistency of white. The results demonstrate the superiority of eggs with high percentages of thick white *for storage purposes, because such eggs tend* to retain this advantage during the storage *period.*

* * *

KAMALA AND EGG PRODUCTION.—A study of the effect of the tapeworm remedy, kamala, on egg production and egg weight was made at *Macdonald College,* Quebec, *Canada. The administration of 1* gram of kamala per head to pullets shortly after they began laying caused a decline in the rate of egg production and a decrease in egg weight. *Some individual birds* continued to lay at the same rate, but showed a decrease in egg size. Each of the separate parts of the egg decreased in weight, but the greatest decrease was in the yolk. From a practical standpoint it is concluded that a decline in egg production and a decrease in egg weight are to be expected when kamala is given to a laying flock. Fortunately, the recovery from the effects of kamala is quite rapid.

* * *

GRAIN SORGHUMS FOR POULTRY.—A recent report from the *Kansas Experiment Station* indicates that good-quality kafir or milo can replace either white or yellow corn pound for pound in rations for either growing chicks or laying hens, provided the other necessary nutrients are present in sufficient quantities. Special attention must, of course, be given to a supply of vitamin A when grain *sorghums are used. It* is recommended that *fourth or fifth cutting bright green* alfalfa hay be kept in racks before the hens at all times during the winter unless green succulent feed or alfalfa leaf meal is available. Kafir and milo were also used successfully in fattening rations.

* * *

CHICK SEXING.—With the marked interest in chick sexing which has developed during *the past few months, it is well* to consider what the actual possibilities are for one who wishes to become expert at it. Four workers at the *U. S. Animal Husbandry Experiment Farm* at Beltsville, Maryland, set out to learn the method and to record their experiences for the benefit of others.

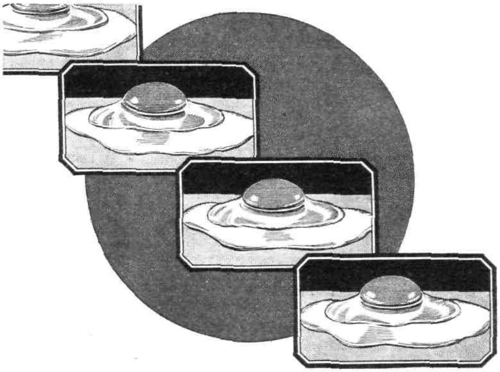
Starting from "scratch," without the benefit of a teacher, *they found it necessary* to work on 2,000 chicks each before their accuracy reached the 90 per cent level. Progress for each of the four men was at about the same rate. Some persons may be able to do better, but it is no exaggeration to say that before one can gain the combination of speed and accuracy required for commercial work, it will be necessary to examine a minimum of 5,000 chicks.

* * *

BODY WEIGHT AND EGG WEIGHT.—*Using data from 1,279 hens entered in egg-*laying contests in Georgia and Louisiana, G. W. Knox, Jr., Arkansas Extension Specialist, made a statistical study of the relationship between body weight, egg weight and egg production. A significant correlation was found between initial body weight and average egg weight, indicating that the larger the pullet weight in the fall, the greater will be the average egg weight for the year. Average body weight and average egg weight for the year were also correlated. No relation of any significance was found between yearly egg record and average egg weight. *In other* words, so far as these records indicate, size of bird is much more important than number of eggs laid in determining the average egg weight.

QUEER QUIRKS—Natives of Para, in South America, make butter from turtle-eggs. Obtaining the eggs from the turtle-nests, they dump them into their canoes, and smash them with their oars into a pulp. The boats are filled with water, and the "scrambled" turtle-eggs and water are left to simmer in the hot sun for some hours. An oily, butter-like content rises to the surface of the water, is skimmed off, put through a straining and clarifying process, and sold as "butter." Turtle-egg "butter" and turtle-eggs are the standard butter and eggs of this section.

LAYENA EGGS—
the new egg sensation!



America's latest feed development gives you better eggs and steady uniform production!

POULTRYMEN in every part of America are talking about Layena Eggs. Distinctive in flavor, extraordinary in food value, uniform in color—they're a new egg sensation.

And best of all, Layena Eggs are so easy to produce because Purina Layena is a complete feed. Layena and water—that's all it takes for premium eggs. Although Layena has been on the market only two years, *it is today America's fastest selling laying feed.* Poultrymen have found that it gives them complete control over feeding operations. It gives them eggs of uniformly high quality, it maintains production, it reduces labor and lowers hen mortality.

GET EGGS NOW!

With egg prices up, the time to make money from eggs is *now!* The one best way to do it is the Layena way. Layena is a cod liver oil and buttermilk mash that furnishes everything a hen needs to make extra eggs. It builds up body weight and puts her in shape to stand the cold days and long winter nights. *See your Purina dealer for today's price on Layena!*

PURINA MILLS
823 Checkerboard Square, St. Louis, Mo.

He *Made Money* by Simple Rules

"Yes, I made a profit during these lean years.

"Start with good stock and keep it good—that's the first and most important step. House well and keep clean. Feed the best feeds you can buy. Birds will keep healthy if they are fed well and kept clean.

"Chase off your place those fellows who come around trying to sell cheap and tricky feeds.

"In the main that's the way I make a good *living out of chickens.*"

This successful poultryman said some nice things about PILOT BRAND OYSTER SHELL, but the best thing he said was—

"I've been using it for many years. *I'll* take no other at any price."

It's safe and profitable to insist upon having PILOT BRAND.

OYSTER SHELL PRODUCTS CORPORATION
New York St. Louis London, Eng.

While you're at it—

GET THEM ALL

KILL LICE and FEATHER MITES

It pays to be thorough. Constantly repeated applications to kill lice are costly. When spread on the roosts, under normal conditions, "Black Leaf 40" gives a **complete clean up**—kills all body lice and feather mites.

Kill Young Lice As They Hatch. Young lice usually hatch in a week to ten days. "Black Leaf 40" kills adult body lice and has plenty of nicotine in stable form. There will be enough on the roosts to kill newly hatched lice for days. A drop on the *back of the birds' necks kills head lice.*

● "Black Leaf 40" is sold by dealers everywhere. *Insist* on factory-sealed packages to assure full strength. **Tobacco By-Products & Chemical Corporation, Incorporated, Louisville, Ky.** NRA

NICHOL'S BABY PULLETS

And cockerels. We have experts who will separate any of the 18 breeds we offer. Write for our big 64 page FREE catalog that tells all about our method and quotes LOW PRICES. U. S. Compliance Certificate No. 1399.
NICHOL'S POULTRY FARM, Box 14, Monmouth, Ill.

Questions and Answers

Letters from subscribers answered free. Send 3 cent stamp for return postage. Do not send chickens or other material to Poultry Tribune for examination, but we will be glad to advise you where to send them.

by J. H. FLOREA
Service Department

What About Rye?

Can rye be used successfully for feeding hens? I have plenty of it available this year, but I'm short on other grains.—W.L.D., Ohio

Answer: There has always been considerable argument over feeding rye to poultry with most of the evidence against its use. In recent experiments carried on over a ten-month period by James G. Halpin and Clayton Holmes at the University of Wisconsin, however, the egg production, fertility, and hatchability of White Leghorn pullets were satisfactory. It was found, among other things, that when sufficient alfalfa is used to supply vitamin A, rye may be substituted quite satisfactorily for corn in rations for laying pullets.

* * *

Shipping Hatching Eggs

How far is it safe to have hatching eggs shipped and *still expect a reasonably good hatch?*—T.W.V., Mo.

Answer: If good, fresh hatching eggs are properly packed, we believe they could be shipped across the entire country and still get *good results.* We *know of an Illinois* poultryman who had 1,000 eggs shipped from the Pacific Coast the middle of last March, and more than 50 per cent of them hatched good strong chicks. In fact, the total hatch was almost 60 per cent.

* * *

Cause of Battery Breasts

I am trying to raise some winter broilers in batteries, but am having some trouble with callouses and blisters on the breasts of the birds. Have you ever heard of a similar experience, and what can be done to overcome this trouble?—G.M.I., Conn.

Answer: The appearance of such callouses and blisters on birds in batteries is what is generally known as "battery breasts." This usually results from the fact that too small a battery for the size of the birds is being used, or the batteries are not properly adjusted.

The callouses usually are caused by the *birds sitting on the wire floor of the battery* too much of the time. The battery tray should be high enough to allow the birds to stand up comfortably, and the openings through which the birds reach the feed and *water troughs should be so adjusted that the* birds can stand up to eat and drink. If they must sit down to eat, and also while they are sleeping, they are likely to develop blisters *on the breast, but if they can stand up a con*siderable part of the time we do not believe you will have any such trouble.

* * *

Size and Color of Reflectors

The reflectors on the lights in my poultry house do not concentrate the light on the floor as much as I would like them to. How large should such reflectors be, and what is used to paint them to get efficient use of the light?—L.A.T., Minn.

Answer: The reflector most commonly recommended is one 16 inches in diameter and 4 inches high, suspended about 6 feet above the floor. This height will illuminate properly the perches, floor, feed hoppers and water fountains, in most instances, when a 40-watt bulb is used.

To paint galvanized reflectors, first wash them in a weak solution of vinegar and water, *then allow them to dry thoroughly. One* ounce of aluminum bronze and one-quarter pint of French bronzing liquid will be sufficient for three coats of paint on 10 reflectors. The aluminum reflecting surface will not discolor and will retain its reflecting properties much better than will white enamel paint.

Poultrymen who do not care to make their own reflectors can purchase reasonably satisfactory reflectors.

B-B AVIAN MIXED BACTERIN

BIG 1 C.C. DOSE Twice the Former Dose

* CUTS POULTRY VACCINATION COSTS IN HALF

The new Big Dose (1CC) B-B Avian Mixed Bacterin is doubly effective—yet costs no more. Every dose of B-B Avian Mixed Bacterin is prepared in our own modern *Biological Laboratories under U. S. Veterinary* License No. 17.

PRICES

Order direct from this ad at these new low prices. 500 Doses (1CC), **$6.00.** 250 Doses (1CC) **$4.00.** 60 Doses (1CC), **$1.50.**

VACCINATE

FOR INFECTIONS ACCOMPANYING

ROUP

Colds, Canker, Fowl Typhoid, Diphtheria, also for Cholera

These diseases raise havoc with your poultry profits—STOP THEM. It is more important than ever to keep your flock healthy this year. The Beebe System of vaccination is used by leading *poultrymen everywhere.* Most scientific, simplest, easiest way to guard the health of your flock. Also most economical due to new, big 1CC dose. Order B-B Avian Mixed Bacterin from this ad.

"FOR CHICKEN POX"—Use Pigeon Pox strain vaccine. Safer—surer—less shock—no set-back in egg *production.* Fresh vaccine—100 doses, 90c—500 doses, $3.75.

FREE

Glass Barrel Syringe. Best for accurate dosage. Also bottle antiseptic—both given free with order for B-B Avian Mixed Bacterin (Big 1CC Dose) sent direct from this ad.

WORMS

Leading poultry authorities recommend B-B Double Shot Capsules, and "Individual Dosing." Gets Round, Pin and Tape Worms at one time. Sure, quick. Costs only 1 cent a dose for one chicken or a carload. Order now—$1.00 per 100. Dr. Beebe's New Poultry Short Course FREE on request.

BEEBE LABORATORIES, Inc.
Dept. 33 **St. Paul, Minnesota**

NEW LOW PRICES

GOODRICH · Firestone GOOD YEAR U.S., FISK and OTHERS

$2.15 29x4.40-21

And we defy anyone to excel our quality. Every standard brand tire reconstructed *by our superior, modern* method is positively guaranteed to give full 12 months' service under severest road conditions. This guarantee is backed by the entire financial resources of an old reliable company. Order Now at Today's Lowest Prices.

YOU CAN'T BEAT OUR PRICES

BALLOON TIRES

Size Rim	Tires	Tubes
29x4.40-21	$2.15	$0.85
29x4.50-20	2.35	.85
30x4.50-21	2.40	.85
28x4.75-19	2.45	.95
29x4.75-20	2.50	.95
29x5.00-19	2.85	1.05
30x5.00-20	2.65	1.05
28x5.25-18	2.90	1.15
29x5.25-19	2.95	1.15
30x5.25-20	2.95	1.15
31x5.25-21	3.25	1.15
28x5.50-18	3.35	1.15
29x5.50-19	3.35	1.15
30x6.00-18	3.40	1.15
31x6.00-19	3.40	1.15
32x6.00-20	3.45	1.25
33x6.00-21	3.65	1.25
32x6.50-20	3.75	1.35

TRUCK BALLOONS

Size	Tires	Tubes
6.00-20	$2.75	$1.65
7.00-20	5.95	2.95
7.50-20	6.95	3.75
8.25-20	8.95	4.95

Reg. CORD TIRES

Size	Tires	Tubes
30x3½	2.35	.75
31x4	2.95	.85
32x4	2.95	.85
33x4	2.95	.85
34x4	3.25	.85
32x4½	3.35	1.15
33x4½	3.45	1.15
34x4½	3.45	1.15
30x5	3.65	1.35
33x5	3.75	1.45
35x5	3.95	1.55

TRUCK TIRES

Size	Tires	Tubes
30x5	$4.25	$1.95
32x6	7.95	2.75
34x7	10.95	3.95
36x6	9.95	3.95
36x8	12.45	4.25
40x8	15.95	4.95

WE WANT DEALERS

All TUBES GUARANTEED Brand New

12 MONTHS WRITTEN BOND GIVEN WITH EVERY TIRE

SEND ONLY $1 DEPOSIT on each tire. (On each Truck Tire send a $4 deposit.) We ship balance C. O. D., 5% discount for full cash with order. **Any tire failing to give 12 months' service will be replaced at half price.**

GOODWIN TIRE & RUBBER CO.
1840 S. MICHIGAN AVE., DEPT. 716, CHICAGO, ILL.

FREE BRAND NEW TUBE OR "RAY-O-VAC" LANTERN WITH EACH ORDER FOR 2 TIRES

$25 A WEEK FOR YOU

and work 12 hours a week. Great plan (illustrated) to breed **PR Royal squabs.** Ask for **new free Library 4,** send **3-ct.** stamp for mailing. Get details, learn what, why, how, where, **1935** facts. **Plymouth Rock Squab Co. 324 H. St., Melrose, Mass.**

BROODERS ALARMS Nationally used—Well proven, efficient. *Burglar,* Temperature-Power off. **Heating & Thermostatic** supplies for incubators, etc. **Home Made Brooder** equipment. **Time Switches.** Free electrical catalog & Valuable brooding data.
Lyon Electric Co., Dept. E, Box 1436, San Diego, Calif.

Leaflets for Subscribers

The following leaflets and circulars which have been prepared to aid our readers may be obtained by addressing the Service Department, Poultry Tribune, Mount Morris, Ill. If you wish, you may clip this notice and check those leaflets that you want, sending along the postage indicated. *Don't forget to give your name and address.*

- ☐ **No. 1, How to Control Round Worms and Tape Worms in Poultry with list of worm remedies**—*6 cents in stamps.*
- ☐ No. 2, How to Control Coccidiosis in Chicks—*3-cent stamp.*
- ☐ No. 3, Instructions for Caponizing—*3-cent stamp.*
- ☐ **No. 4, How to Ventilate a Poultry House**—*6-cent stamp.*
- ☐ No. 5, Egg and Poultry Buyers—*3-cent stamp.*
- ☐ **No. 6, Poultry Tribune's Special Egg Record Sheet**—*10 cents in stamps.*
- ☐ No. 7, Plans for Egg Cooling Cabinet—*3-cent stamp.*
- ☐ No. 8, Canned Chicken is Tasty and Convenient—*3-cent stamp.*
- ☐ ***No. 9. How to Control Roup and Colds in Poultry***—*6-cent stamp.*
- ☐ No. 10, All Night Light—*3-cent stamp.*
- ☐ No. 12, Starting and Growing Rations—*3-cent stamp.*
- ☐ No. 13, Laying Rations—*3-cent stamp.*
- ☐ No. 14, Why a Winter Moult—*3-cent stamp.*
- ☐ No. 16, Answers to 10 Common Questions on Housing—*3-cent stamp.*
- ☐ **No. 19, Controlling Cannibalism, Feather Pulling and Egg Eating**—*3-cent stamp.*
- ☐ No. 20, Direct Selling Information for the Poultryman—*3-cent stamp.*
- ☐ No. 21, When and How to Vaccinate for Chicken Pox Control—*3-cent stamp.*
- ☐ No. 22, Caging the Layers—*3-cent stamp.*
- ☐ No. 23, Blackhead Control—*3-cent stamp.*
- ☐ No. 24, Broiler Production—*3-cent stamp.*
- ☐ No. 25, Figuring a Balanced Ration—*3-cent stamp.*
- ☐ No. 28, How to Control Lice and Mites—*3-cent stamp.*
- ☐ No. 29, How to Spot the Non-Layer, *3-cent stamp.*
- ☐ No. 30, Stop That Thief—*3-cent stamp.*
- ☐ Complete List of Products Approved After Test on Poultry Tribune Experimental Farm (Includes brooder stoves, brooder houses, feeders, fountains, insulation, etc.)—*3-cent stamp.*
- ☐ Bul. 1, How to Build a Range Shelter for 125 pullets—*15 cents.*
- ☐ **Bul. 3, Newest Model 24 x 24 Combination Roof Laying House Blue Print**—*15 cents.*
- ☐ Bul. 4, How to Build a Brooder House (blue print)—*15 cents.*
- ☐ **Bul. 5, Blue Print and Plans for Two Story 1500-Hen House**—*25 cents.*
- ☐ **Bul. 6, Blue Print and Plans for 20x40 Shed Roof House**—*15 cents.*

(Subscribers may secure all the bulletins and blue prints listed here at the special combination price of $1.50.)

Clip this list and mail to

Poultry Tribune, Mount Morris, Ill.

BUILD NOW!

CELOTEX

makes a tight, warm poultry house for winter layers

WERE you satisfied with results from your flocks last winter? Even though you fed the best feed and managed carefully, wasn't egg production below your expectations?

Let's find the probable cause. Are your flocks properly housed? It is not difficult or costly to have the right kind of a laying house. Now is the best time to consider this important matter.

The right kind of laying house means a tight, warm, ventilated house. The walls and the roof should keep the body heat of birds *inside* in winter. That is the *only* kind of poultry house that can be kept warm, dry and healthful.

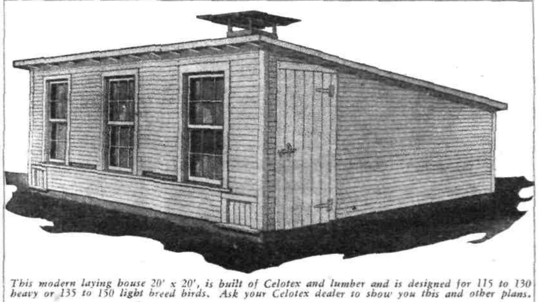
Laying houses built of Celotex Cane Fibre Insulation and lumber give most satisfactory results. Celotex insulates and builds. It builds weather protection into walls and roofs at low cost. Mind you, with Celotex insulation you can avoid—

1. Quick temperature changes in winter;
2. Drafts on the birds;
3. Wet floors or frozen litter;
4. Moisture or frost on walls or ceilings.

In summer the house will be cool, the birds comfortable. Good ventilation will be possible at all times.

Celotex Lumber Dealers have correct and practical plans for Celotex Laying Houses. They are ready to advise with you on building or remodeling poultry houses. Write for the name of the dealer nearest you. No obligation.

Additional Protection—All Celotex Cane Fibre Products are manufactured under the Ferox Process (*patented*) and *therefore effectively resist* damage by Fungus Growth, Dry Rot and Termites (White Ants).



This modern laying house 20' x 20', is built of Celotex and lumber and is designed for 115 to 130 heavy or 135 to 150 light breed birds. Ask your Celotex dealer to show you this and other plans.

CELOTEX
BRAND
INSULATING CANE BOARD
Reg. U. S. Pat. Off.

Approved after Test by POULTRY TRIBUNE EXPERIMENTAL FARM Conducted by POULTRY TRIBUNE MAGAZINE

THE CELOTEX COMPANY
919 No. Michigan Ave., Chicago, Ill. P. T. 11-34

Please tell me the name of the Celotex dealer nearest me. I want information on modern laying houses.

Name________________

Address________________

City________________ State________________

Trappers! EARN PLYMOUTH CARS FREE! Also 394 Cash Awards

for careful pelt preparation in *Sears* 6th National Fur Show! At the same time, *Sears* act as your agent, getting you *full* market value for your furs. FREE new "Tips to Trappers" booklet contains full details on how to share in the big awards. Send for your copy. **MAIL COUPON NOW!**

Mail to point below nearest you:
Chicago—Philadelphia—Kansas City
Memphis—Dallas—Seattle

MAIL NOW

SEARS, ROEBUCK and CO. 72P241

Please mail me, without cost or obligation, fur shipping tags and latest edition of "Tips to Trappers."

Name................................

Postoffice..............State..........

Rural Route...........Box No. ....

Street Address........................

72P241

Starts Hens Laying

Here's a New Way to Get Eggs in Winter. Costs Nothing to Try

Mr. Jos. Burkhart, R. I., Aspers, Pa., has a real idea for chicken raisers who are not getting plenty of eggs. He says:

"This past winter, our 150 hens were hardly laying at all. We got only 7 or 8 eggs a day. Then I started feeding them Don Sung, and I am now getting between 100 and 110 eggs a day. Don Sung is surely worth its weight in gold."

Don Sung, the Chinese brand of tablets which Mr. Burkhart used, are opening the eyes of chicken raisers all over America. These tablets can be obtained from Burrell-Dugger Co., 177 Postal Station Bldg., Indianapolis, Ind. Poultry raisers whose hens are not laying well should send 50 cents for a trial package (or $1 for the extra large size, holding 3 times as much). Don Sung is positively guaranteed to do the work or money refunded, so it costs nothing to try. Now is the time to start giving Don Sung to your hens, so you will have a good supply of fresh eggs all winter.

2-in-1 SCALES
ALL STEEL

Weighs and Grades all sizes of eggs instantly. Approved by hatcheries and Poultry Tribune Experimental Farm.

Each, postpaid, **60c; six for $3.50**
BROWER MFG. CO., Box 3613, QUINCY, ILL.

NEW LOW PRICES **SHAW DU-ALL TRACTOR**

Hurry! Low prices still in effect but can't be guaranteed! Amazing, money maker for *farms, truck gardens, etc.* Plows, cultivates, seeds, discs, mows, rakes, hauls; runs belt and shop machines. Gear shift models, 1 to 5 h. p. Costs 3c per hr. to run. Write for **FREE CATALOG** and 10 DAY **TRIAL OFFER.** Address nearest office.

SHAW MFG. CO. Dept. 5311
Galesburg, Kans. Columbus, Ohio

STRAWBERRIES PAY Allen's 1934 Berry Book Tells How. Describes Catskill, Dorsett and *Fairfax, the Most Valuable* New Varieties. Copy FREE.
THE W. F. ALLEN CO.,
265 W. Main St., Salisbury, Md.

4 Giant Zinnias 10¢
4 best colors, Scarlet, Yellow, Orange, Rose 1 pkt. each (value 40c) postpaid for only 10c. Guaranteed Seeds. Burpee's Garden Book FREE. Low prices. Write for it today.
W. ATLEE BURPEE CO., 970 Burpee Bldg., Philadelphia

Contest News

Lord Brothers and Shell Win Poultry Tribune Cups

Right from the word "Go," Rhode Island Reds in Maine and S. C. White Leghorns in Florida—the northernmost and southernmost U. S. standard contests—have been staging a nip and tuck race for first place. A pen of Reds, owned by Parmenter's Red Mount Farm, took the lead the opening month and held it for the first six months, while a pen of White Leghorns from *Dixie Poultry Yards,* Chapman, Alabama, stayed just a notch behind.

One cup each to Lords and Shell

During the seventh month, the White Leghorns pushed out a step ahead. They were able to hold their lead for two more months, then another pen of Rhode Island Reds in the Maine contest, this time *a pen owned by Lord* Brothers, Kezar Falls, Maine, went into the lead. The Reds held it through the tenth and eleventh month, but the Leghorns weren't licked yet. They came back strong to gain on the Reds during the eleventh month and the twelfth and final month to win the championship of all standard egg laying contests in the United States.

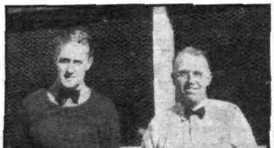
These two pens which have raced neck and neck will be awarded the two cups offered by *Poultry Tribune* for the highest record made by a pen of light breed birds and a pen of heavy breed birds in standard contests during the year 1933-34.

The winning pen laid 2,887 eggs, scoring 3,020.8 points during the fifty-one week contest period. The second high pen laid 2,851 eggs, scoring 3,009 points.

Clive V. Shell

New high marks were established in several breeds. Perhaps most outstanding was the new record for S. C. Rhode Island Reds, *established by the Lord* Brothers pen in the Maine contest as listed above.

New records for New Hampshire Reds, both pen and hen, were established in the Pennsylvania contest. The pen owned by Parmenter's Red Mount Farm, Franklin, Massachusetts, produced 2,440 eggs, scoring 2,571.75 points for the new pen record, and a hen owned by Highland Poultry Farm, Short Falls, New Hampshire, laid 294 eggs, scoring 319.65 points.



Daniel B. and Frank W. Lord

SARDILENE PAYS

MORE BIRDS LIVE
MORE EGGS LAID
BETTER QUALITY EGGS
IMPROVED HATCHABILITY

SarDilene, the original sardine oil produced in America, has proved its reliability. Tested rigorously by Colleges, Experiment Stations, large feed manufacturers and commercial poultrymen—SarDilene does the work—gives more Vitamin D per dollar.

Also High in Vitamin A

SarDilene has proved to be outstanding in producing growth and condition. It improves the texture and color of feathers. SarDilene carries ample amounts of Vitamin A.

Selected—Refined—Proved

SarDilene is rigidly selected sardine oil refined under the exclusive Booth process. All SarDilene is biologically tested on chicks and proven on the basis of ¾ of 1% in the 8-week Wisconsin Rachitic Ration.

Write for full information and literature.

F. E. Booth Company, Inc.
Dept. G, Farley Bldg., Cleveland, Ohio.
110 Market St., San Francisco, Calif.

MAHOOD'S COMBINATION REDS
CHICKS—EGGS—STOCK

Held World's Official Pen Record for S. C. Reds for 1931 and 1932. No other strain of Reds in the World equals Mahood's combined Official Egg Laying Contest Record and Winnings at World's Greatest Shows. *Make big money selling eggs, chicks, stock* from your Flock of Mahood Strain Reds. Known the world over. Customers win at World's Strongest Shows and Egg Laying Contests. **Discounts on early chick orders.** Catalog Free. **Cockerels for sale.**
E. W. MAHOOD Box 5-A Webster Groves, Mo.

SEX GUARANTEED CHICKS DAY OLD HYBRID PULLETS-MALES

Greater profits from day-old pullets. Much more vigorous. Fast growing, early maturing, large size **HEAVY LAYERS.** *Buy all MALES for broilers and capons—make biggest* profits this new way. Finished broilers quicker at less cost.

U. S. APPROVED PURE-BREDS at LOW PRICES
BIG TYPE LEGHORNS and 11 OTHER LEADING BREEDS

Hundred of high egg-record pedigreed males in this year's matings. **FREE CATALOG** *explains guarantees, tells all.* **SEND POSTCARD TODAY!**
C. C. 116.
SUPERIOR HATCHERY, Box 90, WINDSOR, MO.

PIKCARDS PREVENT PICKING
ASK YOUR DEALER OR WRITE
J. E. LAYTON
BOX 3247, SEATTLE, WASH.

HANSON STRAIN
Highest Production Leghorns
Pedigreed Cockerels and Breeding Stock
J. A. Hanson Box 14 Corvallis, Ore.
Code No. 3102

Colonial FALL and WINTER Chix

All leading straight breeds; also sex guaranteed chicks. World's largest chick producers. Send NOW for big FREE *catalog of REAL BARGAINS.*
COLONIAL POULTRY FARMS, Box 411, PLEASANT HILL, MO., or BOX 411, FLORENCE, COLO.

SEX-ed BABY CHICKS Either all pullets or all males. Amazing, new, money-making method. Complete history and booklet FREE. We hatch all popular Breeds and Hybrids. State choice. Cheap prices.
FAMOUS POULTRY FARMS ASSN., Dept. 320, Shenandoah, Iowa

Light Brahmas entered in the Maine contest by Mrs. M. M. Clarke, Readfield, Maine, established new records for that breed. The new pen record is 1,780 eggs, scoring 1,900 points, and the new hen record is 250 eggs, scoring 272 points.

In the New York State contest, Blue Andalusians, owned by W. C. Dobe, Buffalo, New York, set a new pen record of 1,267 eggs, scoring 1,372 points, and a new hen record of 202 eggs, scoring 218 points.

September (Final) Report

United States Egg Laying Contests

Summary of Standard Contests

High Pen of Each Breed—Twelfth Month

Breed	*Contest*	*Eggs to Date*	*Points to Date*	*Owner*
W.L.	Florida	2887	3020.80	Dixie Pl. Yds.
R.I.R.	Maine	2851	3009.00	Lord Bros.
B.R.	N. Y. Central	2605	2653.90	James Dryden
N.H.R.	Pennsylvania	2440	2571.75	Red Mount Fm.
W.R.	Maine	2419	2492.00	Kalerok Fm.
W.W.	Pennsylvania	2213	2341.40	J. W. Kennady II
Aus.	N.J.Hunterdon	2220	2137.15	Albert Holmes
Bf.R.	*N. Y. State*	*2001*	*1959.00*	*Far-a-way Fm.*
Lt.Bra.	Maine	1780	1900.00	Mrs. M. M. Clarke
W.M.	Florida	1883	1856.60	Colonial Pl. Fm.
Exch.L.	Florida	1854	1835.80	H. L. Day Pl. Fm.
Bf.L.	Oklahoma	1821	1829.75	Ward's Pl. Fm.
Anc.	Texas	1828	1777.60	Eriksen's Anconas
Sil.W.	Florida	1559	1537.45	L. C. Gravlee
Bf.O.	So. Dakota	1479	1467.90	Mrs. L. D. Larson
J.W.G.	N. Y. State	1399	1430.00	Geo. H. Price
Bl.And.	N. Y. State	1267	1372.00	W. C. Dobe
Lt.B.L.	Oklahoma	1319	1345.05	C. W. Pevehouse
R.C.R.	So. Dakota	1266	1211.05	Mrs. G. M. Baldwin
L.Barn.	Maine	1167	1180.00	Hope Fm.
Lam.	Maine	1064	1062.00	S. E. Raymond
W.Barn.	Maine	750	703.00	A. D. Arnold

High Hen of Each Breed— Twelfth Month

R.I.R.	Maine	323	349.00	Geo. B. Treadwell
W.L.	Pennsylvania	317	337.95	Foreman Pl. Fm.
B.R.	Rhode Island	315	335.35	Oakland Fm.
N.H.R.	Pennsylvania	294	319.65	Highland Pl. Fm.
W.R.	Maine	294	305.00	E. A. Hirt
Aus.	Oklahoma	290	279.45	Overbrook Fm.
Lt.Bra.	Maine	250	272.00	Mrs. M. M. Clarke
W.W.	Michigan	244	265.35	Fisher Pl. Fm.
Exch.L.	Florida	265	261.55	H. L. Day Pl. Fm.
Anc.	Pennsylvania	272	243.80	Eriksen's Anc. Yds
W.M.	Georgia	238	243.30	Colonial Pl. Fm.
W.Barn.	Maine	249	236.00	A. D. Arnold
Bf.L.	Oklahoma	218	235.80	Ward's Pl. Fm.
J.W.G.	N. Y. State	221	235.00	Geo. H. Price
Bf.R.	N. Y. State	212	224.00	Far-a-way Fm.
Bf.O.	So. Dakota	224	219.60	Mrs. L. D. Larson
Bl.And.	N. Y. State	202	218.00	W. C. Dobe
R.C.R.	So. Dakota	219	216.05	Mrs. G. M. Baldwin
L.Barn.	Maine	196	207.00	Hope Fm.
Sil.W.	Florida	186	203.65	L. C. Gravlee
Lam.	Maine	206	190.00	S. E. Raymond
Lt.B.L.	Oklahoma	172	165.90	C. W. Pevehouse

High Pen of Each Standard Contest—Twelfth Month

Contest	*Breed*	*Eggs to Date*	*Points to Date*	*Owner*
Florida	W.L.	2887	3020.80	Dixie Pl. Yds.
Maine	R.I.R.	2851	3009.00	Lord Bros.
Pennsylvania	W.L.	2826	2895.50	G. A. Leader
Rhode Island	R.I.R.	2718	2880.80	Red Mount. Fm.
N. Y. Western	W.L.	2725	2871.60	W. A. Seidel
Georgia	W.L.	2679	2843.85	J. P. Pirkle
Michigan	W.L.	2755	2813.95	E. C. Foreman
N. Y. Central	*W.L.*	*2614*	*2703.50*	*Kerr Chickeries, Inc.*
Arizona	W.L.	2584	2675.90	Max Johnson
Texas	W.L.	2609	2669.05	Erath Egg Fm.
N.J.Hunterdon	W.L.	2648	2615.15	Quality Pl. Fm.
Oklahoma	W.L.	2550	2587.35	Geo. C. England
N. J. Vineland	W.L.	2467	2564.10	Kwality Fm.
N. Y. State	W.L.	2375	2507.00	Kwality Fm.
N. J. Passaic	W.L.	2480	2468.90	Scherer Bros.
So. Dakota	R.I.R.	1684	1717.00	Sunshine Htch.

Summary of Non-Standard Contests

High Pen of Each Breed—Eleventh Month

Breed	*Contest*	*Eggs*	*Owner*
R.I.R.	Connecticut	2796	G. B. Treadwell
W.L.	Connecticut	2703	Irving J. Kauder
B.R.	Connecticut	2196	James Dryden
N.H.R.	Connecticut	2143	Hubbard Fms.
W.R.	Connecticut	2102	Kalerok Fm.
W.W.	Connecticut	1702	C. L. Hohman
J.W.G.	Missouri State	1424	Missouri
Bf.M.	Missouri State	1247	Missouri
Bf.O.	Missouri Nat'l.*	981	Pearl Parker
W.M.	Mississippi	769	Colonial Pl. Fm.
Bf.R.	Illinois*	677	Kip's Pl. Service
Aus.	Illinois*	658	Overbrook Fm.
Lt.Bra.	Illinois*	655	Ajax Htch.

High Hen of Each Breed—Eleventh Month

W.L.	Illinois	317	Logan Leg. Fm.
R.I.R.	Connecticut	292	Globus Pl. Fm.
B.R.	Connecticut	282	R. C. Cobb
N.H.R.	Connecticut	277	Hubbard Fms.
W.R.	Connecticut	270	Kalerok Fm.
Bf.O.	Missouri Nat'l.	259	Pearl Parker
W.W.	Connecticut	238	C. L. Hohman
J.W.G.	Illinois	234	Ajax Htch.
Bf.M.	Missouri State	224	Missouri
W.M.	Mississippi	204	Colonial Pl. Fm.
Aus.	Illinois	177	Overbrook Fm.
Bf.R.	Illinois	168	Kip's Pl. Service
Lt. Bra	Illinois	167	Ajax Htch.

High Pen of Each Non-Standard Contest—Eleventh Month

Contest	*Breed*	*Eggs*	*Owner*
Connecticut	R.I.R.	2796	G. B. Treadwell
Missouri State	W.L.	2172	Geo. Bagby, Jr.
Missouri Nat'l.*	W.L.	1328	Geo. Bagby, Jr.
Illinois*	W.L.	1255	Henrich Leg. Fm.
Mississippi	W.L.	1117	T. N. Turner

*Only five hens to a pen.

Pullet Size— birds 1-3 lbs.
50 cap $0.50
100 cap 1.00
500 cap 4.50
1000 cap 8.50
Adult Size—
50 cap .75
100 cap 1.35
500 cap 5.50
1000—10.00

WORM YOUR FLOCK—1c Per Bird or Less

● Out of thousands of wormy birds "posted" by the Geo. H. Lee Company recently, the big majority of them had two or three kinds of worms, and not just round worms. The Gizzard Capsule *gets* Large Tape Worms and Pin Worms as well as Large Round Worms—all 3 kinds. The patented, insoluble coating makes sure that the medicine is delivered to the worms fresh and full strength. And it also makes worming safer, because none of the medicine can be absorbed through crop or stomach. Insist on the genuine insoluble Gizzard Capsule. At the Lee dealer in your town; or postpaid.

GEO. H. LEE CO. 171 Lee Bldg. Omaha, Neb.

BOOSTS WINTER EGG YIELD TO 78%!

"I NEVER got over 50% egg yield in winter until last year when I gave a laying mash supplemented with yeast a trial. Production from my White Leghorns hatched in May jumped to an average of 78%!" writes an Indiana poultryman. "I never had hens lay so well in winter," reports a Michigan man who last year fed his birds yeast for the first time. "My *52 Barred Plymouth Rocks produced as many* as 39 eggs in one day. And they seemed to hold their body weight with less scratch grain." "My 100 White Leghorns fed the yeast mash laid 75 to 85 eggs a day all through the cold weather," says another.

Did *you* get such heavy egg production from your hens last year? If you didn't, you are urged to try fermenting your regular mash with Animal-Poultry Yeast Foam this winter. This simple change in your feeding methods will help you get more eggs and heavier eggs just when prices are highest!

4-lb. box of Animal-Poultry Yeast Foam, enough for 300 lbs. of mash, only $1 at your dealer's. Or sent anywhere in U. S. A. on receipt of check or money order.

Write for free copy of new book, "Practical Feeding Facts," written by nationally known poultryman. Northwestern Yeast Co., Dept. E, 1750 N. Ashland Ave., Chicago.

10 DAY FREE TREATMENT of Tonic & Germ Repellent. Helps appetite, aids digestion, assists in promoting growth and Egg Production. Cleansing to intestines—splendid follow-up after deworming. Flock treatment. Enough for 125 hens FREE with your first order for 100 Adult Kamala WORMERS—Price $1.00. Provides in exact dosage most effective medication known against Poultry **Tapeworms.** So recognized by many Experiment Stations and best authorities. Write

QUISENBERRY QUALITY PRODUCTS 259 Broadway Kansas City, Mo.
Remember—"*Quality Has No Substitute*"

Get High Priced Winter Eggs

Tack GLASS CLOTH (80% cheaper than glass) over south openings. Sun's health rays stream in. Hens lay like in June. Ideal for winter-porch enclosure, screen-door covering, storm-windows, etc. Makes homes cozy. Saves coal, money. Buy genuine GLASS CLOTH from your dealer.

TURNER BROS. Bladen, Nebr. Wellington, O.

GLASS CLOTH

OVER 10,000 POULTRY RAISERS ORDER

Booth Chicks

ROYAL W. BOOTH.

EACH YEAR for Greater PROFITS

The many thousands of our customers who re-order Booth Chicks each year know from experience that they can always depend on Booth Chicks making greater profits for them. Many commercial egg and broiler farms order from 3,000 to 10,000 chicks *annually. These people depend on poultry for their entire income and can take no* chances on where they purchase chicks. They send their orders to Booth Farms because they have found it to be the place where year after year they can obtain dependable, high egg bred, easily raised chicks at prices that mean a substantial saving and where high quality is always uniform.

926 *National Egg Contest Awards* Prove the Laying Ability of BOOTH STOCK

U. S. Champion Leghorn 1930-33, Bred by Booth Farms.

In the past 6 years, in competition with the best breeders of the U. S., our birds have won 926 Awards, Cups and Ribbons at National Laying Contests—*including* U.S. Champion Leghorn Hen 1930-33, U. S. Champion Red Hen for 1931, Highest average production for any breeder entering 10 or more contests. We also had HIGHEST PEN FOR NUMBER OF EGGS AND CHAMPIONSHIP TRIO OF PENS FOR BOTH POINTS AND EGGS AT THE INTERNATIONAL EGG LAYING CONTEST WORLD'S FAIR, CHICAGO, 1933. Every one of these champion hens was bred and raised on our own farms. Thousands of their sisters are used in our AAA Matings.

For 18 years we have kept thousands of hens continually under trapnest to obtain accurate family pedigree records for breeding purposes. In this way we have intensified the desirable qualities of our best hens and developed what we believe to be the greatest amount of high quality breeding stock owned and controlled by any one poultry farm.

BIG DISCOUNTS

on Early Orders

SAVE MONEY by taking advantage of our present low prices and big discounts on early orders. A very small deposit books your order and reserves your shipping date. Order Booth Chicks this year and be sure of greater poultry profits

10 VARITIES $6.90 Per 100 up

FREE *Catalog*

Tells about our breeding methods *that may increase your poultry* profits. Gives full Contest records and pedigrees and shows actual photos of our farm and high record breeding flocks.

BOOTH FARMS, Box 972, CLINTON, MO.

Vitamin D and Winter Eggs

(Continued from page 6)

duced considerably fewer eggs than t other pens. During the five months from N vember to March, inclusive, the laying he required a supplement to the available su shine to maintain normal egg production. T same was true of hatchability in these pen

Since, as stated before, the object of th experiment was to determine the amount vitamin D required, only one brand of c *liver oil was used with no other source* vitamin D, except sunlight, tried.

Other experiment stations, including earl tests at Wisconsin and later ones at Ohio an other stations, have shown, however, th vitamin D may be provided in other way Considerable work has been done with ult violet lamps which give the ultra violet ray lacking when sunshine comes through ord nary glass.

THEY also have shown that the use of glass substitute or ultra violet ray tran mitting glass in the windows adds to th amount of vitamin D which the hens receiv Ordinary glass excludes all vitamin D. Th glass substitute has the advantage, of cours of making it possible to close the house an maintain a comfortable temperature and y provide the hens with vitamin D from su light. At the Ohio station a few years ago a experiment with glass substitute was co ducted which gave very similar results t those reported from the Washington statio which used cod liver oil. In the Ohio exper ment, those birds behind ordinary glass la fewer eggs and the hatchability dropped t zero, while both production and hatchabilit were well maintained in those pens receivin *ultra violet light through a glass substitut*

Most commercial mashes at the present tim provide vitamin D by including cod liver oi sardine oil, yeast and oil, or a concentrate cod liver oil in the mash.

In case you are not already supplying vita min D, however, arrangements should be mad to supply it this winter through one of th methods mentioned above, following the in structions of the manufacturer whose produc you use.

QUEER QUIRKS—Chickens, down in th Dominican Republic, roost in the trees. There fore the poultry-raisers of this section tie thei hens up near their houses, in the morning, unti the eggs are laid for market. When left in th trees, the hens drop their eggs to the ground with the resultant "scramble."

Don't Buy Fencing

Until You Get My Factory Prices!

Let me send you my New Bargain Fence Catalog and show you how much money you can save by buying your fencing *direct from my factories.* You can't buy better quality than Jim Brown Copper Steel fencing—outlasts non-copper steel fencing 2 to 1, and yet my factory prices are less!

I ALSO PAY THE FREIGHT

Don't pay more than Jim Brown's Prices. Catalog also shows bargains in Gates, Steel Posts, Barb Wire, Roofing, Paint, Baby Chicks, Poultry Supplies, Harness and other farm and home needs. Write to factory nearest you for free catalog.—Jim Brown

THE BROWN FENCE & WIRE CO.
Dept. 1970-B Cleveland, O. Memphis, Tenn.

Colds in Poultry Quickly Stopped

Wheezing, Rattling, Choking, Ends, Trouble Conquered in 48 Hours

Readers with colds in their flocks should read this letter from Thomas Pulliam, Shiveiy, Ky. He says:

"I have had birds with their eyes closed from colds, and have saved them all. One cockerel was nearly dead. He lost 5 pounds. I gave him *Group-Over and in two weeks he was full of* pep and fighting every rooster on the place. Why do people let their birds die? It's so easy to save them with Group-Over."

It is amazing how quickly Group-Over ends colds in poultry. A few drops in the nostrils usually banishes every symptom over-night—while a little in the drinking water, as a preventive, guards the whole flock. For a liberal supply, send 50c (or $1 for the extra large size) to Burrell-Dugger Co., 703 Postal Station Bldg., Indianapolis, Ind. As Group-Over is guaranteed to do the work or money refunded, it costs nothing to try.

Oat Sprouter $2.49

For $2.49 you can build the simplest, most efficient, easiest to operate and best oat sprouter ever constructed. A boy can make one in an evening with no tools but saw and hammer. *Thousands in successful operation. Plans with* plain directions for building, 10c postpaid.

L. PUTNAM, Route 1120-O, ELMIRA, N. Y.

VAPO-SPRAY

For **COUGHS** *due to* **COLDS** *Simple* **Bronchitis**

TREAT THE WHOLE FLOCK. SPRAY IN THE POULTRY HOUSE AT NIGHT. 32-oz., 75c; ½-gal., $1.25. At Lee dealers; or postpaid.

GEO. H. LEE CO., Omaha, Nebraska

THE NEW MASCOT

EGG-GRADING-SCALE

Is new in design.
Has all Features.

PRICE $1.95 Postpaid

PROSPECTUS MANUFACTURING CO.
5 Malcolm Ave. Minneapolis, Minn.

"TURKEY WORLD"

Oldest and Biggest Turkey Magazine

Devoted exclusively to turkey raising in all its branches—breeding, hatching, *exhibiting, diseases, marketing,* etc. Turkey World gives you the latest news of the shows, turkey clubs, and cooperative marketing association.

$1.00 a year in U.S.A.; $1.50 outside of U.S.A.
TURKEY WORLD MOUNT MORRIS, ILL.

STATEMENT OF OWNERSHIP, MANAGEMENT, CIRCULATION, ETC.

Required by the Act of Congress of August 24, 1912 of Poultry Tribune, published monthly at Mount Morris Illinois, for October, 1934. State of Illinois, Count of Ogle, ss. Before me, a notary public in and for th State and county aforesaid, personally appeared J. W Watt, who, having been duly sworn according to law deposes and says that he is the business manager o Poultry Tribune and that the following is, to the best o his knowledge and belief, a true statement of the owner ship, management (and if a daily paper, the circulation) etc., of the aforesaid publication for the date shown i the above caption, required by the Act of August 24 1912, embodied in section 411, Postal Laws and Regula tions, printed on the reverse, of this form, to wit: 1 That the names and addresses of the publisher, editor and business manager, are: Publisher, Poultry-Dair Pub. Co., Mount Morris, Ill.; Editor, O. A. Hanke Mount Morris, Ill.; Business Manager, J. W. Watt Mount Morris, Ill. 2. That the owner is: (If owne by a corporation, its name and address must be state and also immediately thereunder the names and addresse *of stockholders owning or holding 1 per cent or mor* of total amount of stock. If not owned by a corporation the names and addresses of the individual owners mus be given. If owned by a firm, company, or other un incorporated concern, its name and address, as well a those of each individual member, must be given) Poultry-Dairy Pub. Co., Mount Morris, Ill.; J. W Watt, Charles Webster, O. A. Hanke, all of Moun Morris, Ill.; A. A. Yoder, Oakland, Calif. 3. Tha the known bondholders, mortgagees, and other securit holders owning or holding 1 per cent or more of tota amount of bonds, mortgages, or other securities are None. 4. That the two paragraphs next above, givin the names of the owners, stockholders, and securit holders, if any, contain not only the list of stockholder and security holders as they appear upon the books o the company but also, in cases where the stockholder o security holder appears upon the books of the compan as trustees or in any other fiduciary relation, the nam of the person or corporation for whom such trustee i *acting, is given; also that the said two paragraphs con*tain statements embracing affiant's full knowledge an belief as to the circumstances and conditions under whic stockholders and security holders who do not appea upon the books of the company as trustees, hold stoc and securities, in a capacity other than that of a bon fide owner; and this affiant has no reason to believe tha any other person, association, or corporation has an interest direct or indirect in the said stock, bonds, o other securities than as so stated by him. J. W. Watt Business Manager. Sworn to and subscribed before m this 29th day of September, 1934. Chas. Webster, Notar Public. (My commission expires October 17, 1935.)

Turkey Pointers

The 1934 Turkey Feed Cost Will Be High

At this time of the year the turkey grower should be considering the feeding program for finishing his turkeys. He may also be planning how he will spend his turkey money. Taxes, insurance, repairs and many other bills must be paid. The extent to which the turkeys will help pay these bills, as they have done in past years, will be limited this year due to the relatively high price of the feeds needed. This will be especially true unless the price of turkeys to the producer is better than it has been during the last two years.

The price per pound received by the producer for turkeys has declined very materially since 1930 and is not in harmony with the price of feeds which must be used and the resulting feed cost of growing turkeys.

The Crops and Market Reports published by the U. S. Department of Agriculture show that the turkey producers of the United States received an average of 19.9 cents per pound for their turkeys in 1930, 19.4 cents in 1931, 10.9 cents in 1932 and 11.1 cents in 1933. This is an average decline of nearly 9 cents per pound. Some areas of most extensive production show a decline of nearly 10 cents per pound.

Now let us turn to the actual feed costs involved in producing turkeys. Experimental data compiled at the North Dakota Agricultural College Experiment Station shows that the total feed cost required to produce one pound of live turkey ranged from 7.1 cents to 8.1 cents in 1930 on three lots of turkeys; from 6.0 cents to 7.1 cents on five lots of turkeys in 1931; from 4.4 cents to 5.2 cents on five lots of turkeys in 1932 and from 5.6 cents to 6.7 cents on four lots of turkeys grown in 1933. Present indications are that the feed cost for 1934 will be at least 8 cents per pound of live turkey and may run even higher than that. This means that it will cost as much or more for feed to grow turkeys in 1934 than it did in 1930. What will the producer receive this year? What will he have left after paying the feed bill?

The feed cost constitutes about 60 per cent of the total cost of growing turkeys under favorable conditions, when all costs are considered. It requires about five pounds of feed to produce one pound of live turkey at 24 weeks of age. Thus the actual total cost of growing turkeys in 1934 will run close to 12 cents per pound live weight and may even exceed that.

This presents a real problem to the turkey producer. Feed prices are high, at least 50 per cent higher than last year and double the price in 1932. Yet the turkeys must be fed and must be finished if anything is to be realized.

The great danger now lies in the fact that many turkeys have not been well fed during the early growing period and are not developed now as they should be. Then there is the tendency to market the turkeys before they are properly finished.

Right now is the time to feed them well and keep it up until market time, and do not market them until they are properly finished. The gain in weight will pay for the feed and many turkeys that would grade No. 2 or lower can be raised to a top grade by proper feeding providing they are healthy and kept under sanitary conditions.

The only turkeys that have any chance of paying the feed bill in 1934 will be those that are in proper market condition when marketed.—*O. A. Barton, N. Dak Agr. College.*

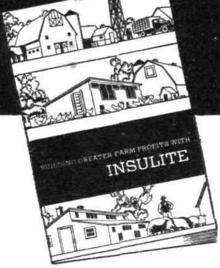
* * *

Turkeys 26 weeks old are at the approximate optimum development for market.

SAVE ON FEED COSTS THIS WINTER

and get

MORE EGGS!



This **FREE** *book will tell you* **HOW!**

Now is the time to think about how you can increase egg production from your flock during the winter months.

This book, endorsed by poultry experts and agricultural colleges, will tell you how insulating your laying houses will reduce winter feeding costs . . . protect the health of your chickens . . . increase their egg yield.

Insulate your new or present buildings with Insulite, the original wood fiber insulating board, that gives you the utmost in insulating efficiency, added strength to your buildings, durability, resistance to vermin, moisture, and decay.

Use this coupon for your free copy of this valuable book.

INSULITE

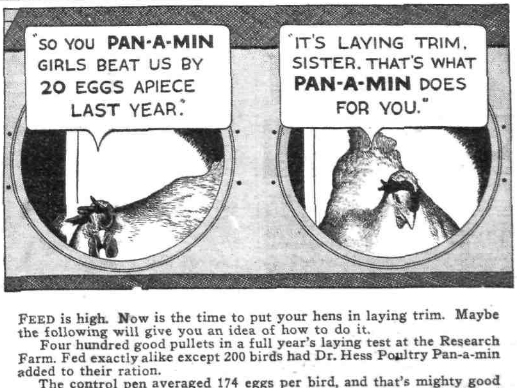
The Original Wood-Fiber Insulating Board

THE INSULITE COMPANY
102K, Builders Exchange Building, Minneapolis, Minnesota
Please send me your book, "Building Greater Farm Profits with Insulite."

Name..........

P. O........... *County*..........

R. D. No........... *State*..........



FEED is high. Now is the time to put your hens in laying trim. Maybe the following will give you an idea of how to do it.

Four hundred good pullets in a full year's laying test at the Research Farm. Fed exactly alike except 200 birds had Dr. Hess Poultry Pan-a-min added to their ration.

The control pen averaged 174 eggs per bird, and that's mighty good production. *But the Pan-a-min pen averaged 194 eggs per bird—and that's still better production. Better by 20 extra eggs per bird.* And one pen was as good as the other, mind you, so far as laying ability is concerned. Dr. Hess & Clark, Inc., Ashland, Ohio.

PAN-A-MIN STILL SOLD AT REDUCED PRICE

See Your Local . . .
DR. SALSBURY Dealer

About WORMING, VACCINATING NOW!

THESE two poultry health measures are so important that it will pay you to get the most dependable advice, and to use the most dependable products.

You will find Dr. Salsbury dealers well qualified to help you get best results. Thousands of them have attended our Annual Short Courses, our sectional Dealer Schools, and our School on Poultry Diseases. In addition, latest information on how to recognize and combat all poultry diseases is sent to all dealers, each month.

You can also depend upon Dr. Salsbury's Line of Caps and other preparations. They are compounded in our new laboratories where every facility is provided for accuracy and purity. Because of large quantity production, prices are extremely low.

Plan to worm and vaccinate your birds now. See your local Dr. Salsbury Dealer; he may be your local hatcheryman, feed dealer or druggist. Ask for these products by name. **Dr. Salsbury's Line of Worm Caps**; Chick Size: priced from 60c to 90c per 100; Adult Size: priced from 90c to $1.35 per 100; larger quantities at even lower prices. **Avi-Tabs**, 200 for $1.75; **Avi-Tone**, 5 lbs. for $1.75. **Mixed Bacterin**, 60 c.c. bottle, $1.50. **Fowl Pox Vaccine**, 100-dose pkg., $1.00. **Cholera-Typhoid Bacterin**, 60-dose bottle, $1.50.

DR. SALSBURY'S Laboratories
CHARLES CITY, IOWA, U.S.A.
"A NATION WIDE SERVICE"

LICE TORTURED, SLEEPLESS HENS WON'T LAY
KILLS LICE OR YOUR MONEY BACK
JUST PAINT THE ROOSTS
FREE BRUSH WITH EVERY CAN
☐ Half Pints $ .75 ☐ Quart . . . $2.00
☐ Pint . . . . . . 1.25 ☐ Gallon . . 6.00
Express Prepaid. If your dealer can't supply you, check size needed and mail to—
PRATT FOOD CO., Dept. 748, Philadelphia, Pa.
Pratts ROOST PAINT

SEX-LINK CHICKS
90% SEX ACCURACY GUARANTEED BY ME!
Sensational new development enables me to guarantee 90% sex accuracy in both hybrid chicks and sexed pure breeds. Our method is rapid, accurate, no possibility of slightest injury to chick. Prices on both day-old pullets and day-old cockerels as low as Code and Good Management permit!
Order Day-Old Pullets
Remember, Code limits settings. Order early! Order day-old pullets and day-old cockerels now. Send for free sex-link chick information. State if interested in cross breeds or sexed pure breeds. Play safe! Profit by our experience. We were selling sex-link chicks when "sexing" was only a Japanese idea! Send postal for my story—send it today! Compliance No. 83.
GHOLSON'S HATCHERY, Box 1, McLeansboro, Ill.

RAISE FROGS
BIG PROFITS IN "NUFOND GIANTS." Breeder lays 10,000 eggs each year. Bullfrogs sell $3.00 doz. No experience necessary. Backyard pond starts you. Raised in any climate. Our FREE book "A Fortune in Frogs" explains everything. Write today!
AMERICAN FROG CANNING CO., (103-W), New Orleans, La.

MARKET GROWERS JOURNAL—A magazine for the commercial vegetable producer. Published twice a month, 24 issues, for $1.00 a year. Send subscriptions to Poultry Tribune, Mount Morris, Ill.

Carl Demme with a load of peat fertilizer.

Peat Pays

The Demme's use peat moss for litter, and sell it for fertilizer at a profit

by W. S. MORELAND

SOMEONE, in a day long since past, after a trip through their meat packing plants, paid high tribute to the efficiency of Swift and Armour with the observation —"They use all of the pig except the squeal!"

I was reminded of this a few days ago when visiting the modern, business-like 51-acre poultry farm in Southern New Jersey that has been developed by Herman and Carl Demme, two brothers who have done a swell job of making some 7,000 purebred White Leghorns keep the wolf from their door.

The Brothers Demme have in good measure everything it takes to succeed with chickens. They know a good chicken when they see one; they know how to breed, hatch, and rear chickens, and they know how to make pullets produce eggs. All these things the Demmes have, and—to get to the point of my story—they know a thing or two about making a profitable use of a poultry farm by-product that more often than not is wasted or is given away to get rid of it.

I'm referring, of course, to poultry manure, whose valuable stores on nitrogen are, on most chicken plants, soon lost as a result of the heating which follows improper handling. That is the situation on the majority of commercial poultry plants, but not on Dembro Poultry Farm, as the plant of Herman and Carl Demme's is named.

The Demme brothers, ingenious South Jerseymen that they are, have figured out a method of cashing in on the poultry manure that so many chicken men waste. With them, it's merely a problem of using peat moss for litter, mixing this litter with manure as the houses are cleaned out, pulverizing the composted mixture and eventually selling it for prices that reach a point as high as $25 a ton.

THIS ought to sound good to those of you who count your layers in the thousands, but I hasten to add that the job is not so simple as it may read. In this efficient utilization of a poultry farm by-product, the Demme brothers assume problems of the fertilizer manufacture, problems both of manufacture and of sales, if you please.

But let's go into this story from its modest beginnings on the Dembro Farm some three years ago. Before that time, the Demmes—like many another poultryman—sold chicken manure at any price merely to get rid of it.

FREE TUBE!
with each order for 2 tires. All Tubes New Heavy Gauge Circular Molded. Order now before offer expires.
NEW LOW PRICES
$2.15 29x4.40-21
$2.40 30x450-21
GOOD YEAR Firestone Goodrich U.S. AND OTHERS
THESE TIRES SURE DO LOOK GOOD
YES AND THE YORK GUARANTY BOND PROTECTS YOU
12 MONTH WRITTEN-GUARANTY BOND WITH EACH TIRE
LOWEST PRICES ON EARTH
NRA
TIRE USERS by the thousands all over the U. S. A. vouch for the LONG, HARD SERVICE, under severest road conditions of our standard brand Tires reconstructed by the ORIGINAL SECRET YORK PROCESS. OUR 18 YEARS IN BUSINESS makes it possible to offer tires at LOWEST PRICES in history with 12 month guarantee.

Don't Delay—Order Today

BALLOON Tires

Size	Rim	Tires	Tubes
29x4.40-21		$2.15	$0.85
29x4.50-20		2.35	0.85
30x4.50-21		2.40	0.85
28x4.75-19		2.45	0.95
29x4.75-20		2.50	0.95
29x5.00-19		2.85	1.05
30x5.00-20		2.85	1.05
28x5.25-18		2.90	1.15
29x5.25-19		2.95	1.15
30x5.25-20		2.95	1.15
31x5.25-21		3.25	1.15
28x5.50-18		3.35	1.15
29x5.50-19		3.35	1.15
30x6.00-18		3.40	1.15
31x6.00-19		3.40	1.15
32x6.00-20		3.45	1.25
33x6.00-21		3.65	1.25
32x6.50-20		3.75	1.35

CORD Tires

Size	Tires	Tubes	Size	Tires	Tubes
30x3	$2.25	$0.65	32x4½	3.35	1.15
30x3½	2.35	0.75	33x4½	3.45	1.15
31x4	2.95	0.85	34x4½	3.45	1.15
32x4	2.95	0.85	30x5	3.65	1.35
33x4	2.95	0.85	33x5	3.75	1.45
34x4	3.25	0.85	35x5	3.95	1.55

HEAVY DUTY TRUCK TIRES

Size	Tires	Tubes	Size	Tires	Tubes
30x5	$4.25	$1.95	36x6	9.95	3.95
34x5	4.25	2.00	34x7	10.95	3.95
32x6 (8)	7.95	2.75	36x8	12.45	4.25
32x6(10)	8.95	2.75	40x8	15.95	4.95

ALL OTHER SIZES
DEALERS WANTED
SEND ONLY $1.00 DEPOSIT with each tire ordered. ($4.00 deposit on each Truck Tire.) We ship balance C.O.D. Deduct 5 per cent if cash is sent in full with order. ALL TUBES BRAND NEW—GUARANTEED. Tires failing to give 12 months' service replaced at half price. ORDER NOW!
YORK TIRE & RUBBER CO., Dept. 3118-A
3855-59 Cottage Grove Ave. Chicago, Ill.

DR. HESS POULTRY TABLETS
WHEN you hear the first sneeze, add Dr. Hess Poultry Tablets to the drinking water. It helps to prevent the spread of infection. In more advanced stages requiring a local treatment, also bathe the swollen parts with a strong solution of Dr. Hess Poultry Tablets.
Dr. Hess & Clark, Inc., Ashland, Ohio

KITSELMAN FENCE
Factory to You—We Pay Freight
You save every penny possible. We make own wire, weave it into fence and ship direct. All Copper-Blend Steel, 99 92/100% pure zinc galvanized. **Horse-high, Pig and Chicken-tight.** Farm, Poultry and Lawn Fence, Steel Posts, Barb Wire, Gates, Paints, Roofing.
WRITE for FREE CATALOG
Kitselman Bros. Box 114 Muncie, Ind.

BUSSEY'S BOOK of WIRE FABRICS and PARTS for POULTRY BATTERIES
Now Ready · · Sent FREE to Poultrymen.
Write for Catalog No. 17
BUSSEY PEN PRODUCTS CO.
1500 S. Western Ave., Chicago, Ill. or 132 E. 1st St., Mt. Vernon, N. Y.
All Parts for this BROILER BATTERY COMPLETE ONLY $17.50

NICHOL'S POULTRY BOOK
Describes our 18 profit making breeds, made better by proper culling, housing, feeding, etc. Under state supervision. We offer Chicks, Eggs, and Sex Sorted Baby Chicks. Postal brings our 64 page book FREE. U. S. Compliance Certificate. No. 1399.
NICHOL'S POULTRY FARM, Box 13, Monmouth, Ill.

NATIONAL POULTRY BANDS
Lowest prices . . . greatest variety . . . over 50 styles including wing, trap-nest, culling, certification bands, etc. Big catalog and samples FREE. * * Poultry supplies.
NATIONAL BAND & TAG CO.
DEPT. 930 NEWPORT, KENTUCKY

There it was, an unsightly pile, growing daily; take it at any price, but take it!

It was the change to peat moss as a litter for the poultry houses that started the Demmes thinking about getting a better return for the poultry manure. There are some 25,000 square feet of floor space to cover with peat moss and, by anyway you want to figure, that's a lot of peat moss. By the same token, it's a lot of money to lay out for litter, valuable as the product is for this purpose. *The Demmes had no intention of changing to some other litter; their experience with peat moss convinced them it was the litter to use.* But this did not deter them from seeking ways and means of cutting down the cost of their litter. The answer they found in the product they now sell as pulverized chicken manure and peat moss.

On Dembro Farm peat moss litter is spread to a depth of two or three inches at the start of the season. On the average, this material is cleaned out after six to eight months, during which time additional amounts of the peat moss are added to the pens.

THIS peat moss from the pens is hauled to a large storage shed, which is used for composting the manure, grinding, and bagging it. First a layer of peat moss is laid down, then a layer of fresh manure from the droppings boards, a layer of peat moss, and so on until the pile may contain several tons of the mixture.

After a period of heating the mixture of manure and peat moss is put through a hammermill grinder, the same type of machine that is used for grinding corn and other grains. It is equipped with blower and condenser, from which the pulverized product is blown into either 50-pound paper bags or 100-pound burlap bags.

The pulverized product analyzes 2 per cent nitrogen, 2 per cent phosphoric acid, and 1 per cent potash. Carrying these plant nutrients, it has been found a valuable fertilizer for lawns, flowers, shrubs. As such, it is used by golf courses, public parks, gardeners, nurserymen, and in a few instances, by orchardists.

The Demmes also sell a non-pulverized mixture of peat moss and poultry manure, at a substantially lower price, to farmers. The lower price for this product is made possible by elimination of the costs involved in grinding, as is required for the pulverized material. This cost, roughly, is $6 per ton, labor charges included.

Poultry manure in combination with peat moss is one of the most ideal fertilizers. Any poultry raiser who has this combination available is almost sure to find a market with greenhouses, orchardists, market gardeners and even with general farmers. When you figure the labor saved in fewer cleanings of the laying house, and the resale value of the peat, at prices ranging up to 50 cents a bushel, after it has been used in the poultry house for six or eight months, the balance sheet shows up very strongly for peat as a most desirable poultry house litter. It makes a dandy brooder house litter too.

Half of the annual turkey crop is eaten at Thanksgiving.

* * *

F.F.A. Group Wins First Prize In PT Marketing Contest

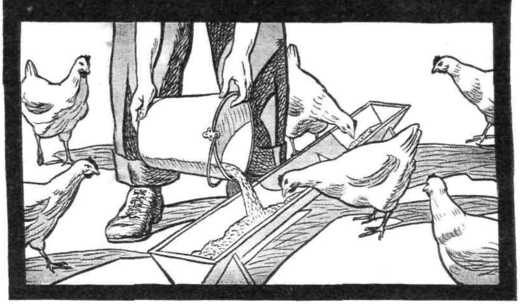
Many excellent ideas for securing a better market outlet for their eggs, and consequently more profit, were revealed by Poultry Tribune readers who entered the Better Marketing Contest announced in the August issue.

The first prize of $5, however, was awarded to Kermit E. Williams, reporter for the Masontown, West Virginia, chapter of Future Farmers of America. Seven high school boys in this chapter organized to produce excellent eggs and sell them direct to consumers. During their first year, they made a profit over the regular market price of five cents a dozen, or a total profit of $328.95. During the present year, they expect to more than double that amount.

Second prize of $2 was awarded to Lynn Hubbard, Arkansas, and the third prize of $2 went to Henry E. Matthews, Massachusetts.

Six $1 prizes were won by R. L. Culley, Oklahoma; Mrs. L. W. Beardsley, Iowa; R. G. Nelson, Ohio; A. C. Robinson, Florida; Laura M. Wine, Virginia; and Mrs. Clarence Uhl, Ohio.

JUST THIS EASY



TO WORM YOUR BIRDS WITH

A SINGLE DOSE of the new Dr. Hess Poultry Worm Powder, given in mash, gets the round worms—and does it in 24 to 36 hours.

Dr. Hess Poultry Worm Powder is a nicotine product. That's what knocks the worms. It is combined with other elements which carry it down to the lower intestines before the nicotine is released. That's where the worms are. That's where the undiluted nicotine does its work.

Because the nicotine is not released until it reaches the intestines, it is non-toxic to the bird. No interference with egg production. No harmful effect on young birds.

Dr. Hess Poultry Worm Powder is odorless and tasteless. It does not affect feed consumption. It is given in either wet or dry mash, just as you prefer. No starving before or laxative after treatment.

Easy for you, yet even easier for the bird.

The cost of using Dr. Hess Poultry Worm Powder is very small. Only a half to one cent per bird, depending upon the size of your flock.

If you prefer individual to flock treatment, get Dr. Hess Poultry Worm Tablets. Same ingredients pressed into tablet form. Dr. Hess & Clark, Inc., Ashland, Ohio.

DR. HESS POULTRY WORM POWDER

Expels Round Worms from Poultry

IMPROVED ACME EGG GRADER

Now only $2.35 (Postpaid)

MORE EASILY READ. Indorsed and used by U. S. Govt. —official scale World's Fair egg laying contest—at new low price! Sturdily built of aluminum — no springs, weights, or adjustments . . . shows grade instantly. Guaranteed.

THE SPECIALTY MFG. CO.
2361 University Ave.
St. Paul, Minn.

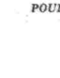
Send for ACME Today

Money back guarantee

Quick — Automatic
Accurate.— Easily Read

Make Money at Home

Grow Mushrooms in your cellar or shed. Exclusive new process. Bigger, better, quicker crops. • More money for you! Enormous new demand. Write for Free Book. **American Mushroom Industries, Dept. 847, Toronto, Ont.**



New Invention Match Light GENERATORS

Our generators will replace any of 30 makes or models. **Guaranteed 2 years. Lights quickly.** Makes your light like new. Does away with all generator troubles. More light. Less gasoline. Mantles last longer—do not blacken. Stop buying new generators all the time. **35c each ppd.** Be sure to state make of light. Free circular shows cuts of generators.

MANTLES

MADE OF WOOD FIBRE

Do you have trouble with your mantles cracking or falling off easily? Send **10c** for sample. **Guaranteed strongest mantle made.** Fits all makes gasoline, kerosene, air-pressure lamps-lanterns. State if you have 1 or 2 mantle fixture. **2 for 20c; $1.00 per doz.** for **2 mantle** lights; **$1.20 per dozen** for 1 mantle light. Prepaid.

Makes Hens Lay More Eggs

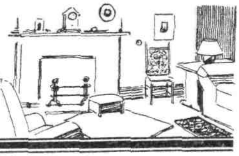
NEW LANTERN-HEATER

Use our combination **300 Candle Power Lantern-Heater.** Makes coop light as sunshine. Increases coop temperature 20 degrees. Regulate light high or low. Holds half gallon fuel. Burns 24 hours with one filling gasoline or kerosene. Gasoline-Kerosene Lamps, Lanterns, Heaters, Flat Irons, Oil Burners. **Free circular. Agents Wanted.**

PIEPGRAS LIGHT CO., 306 Powers Bldg., Tinley Park, Ill.

HOMEMAKING

By MRS. E. J. TILTON, Home Department Editor



Use Eggs Liberally in Winter Meals

"DEATH VALLEY SCOTTY" they called him, and he had come from the far west to New York with pockets bulging with gold. Employees of Rector's, world famous for fine foods, stood ready to serve him with the choicest foods from the far corners of the earth.

"None of them a la things for me, pardner," he warned, "I'm playing safe. Bring me $20 worth of ham and eggs and a piece of pie." Many many years have rolled by since "Death Valley Scotty" played safe with that good old stand-by, ham and eggs. Today, as then, folks are still playing safe with ham and eggs. Writes Mrs. Clara Gebhard Snyder, Institute of American Poultry Industries, of foods being sold at the Century of Progress in Chicago, "The popular John R. Thompson restaurants not only feature eggs, particularly at breakfast, but they do it so successfully that eggs are the biggest selling food."

In the marvelous Hall of Science there the Milk Foundation, Inc., advises that both reducing and gaining diets should include an egg daily in addition to a quart of milk, two fruits, and two vegetables. Another exhibit urges expectant mothers to include at least one egg each day in her diet, while the Mayo Foundation exhibit reveals that an egg a day is an essential protective food in the ideal diet of the diabetic. "Death Valley Scotty's" choice of eggs is today backed by the approval of the soundest scientific research.

"I sometimes think," comments Dr. Walter H. Eddy, "that the nutritionist is apt to put too much stress on the individual foods rather than the balanced diet; but in the case of milk and eggs, perhaps enthusiasm is justified, for they have so much of value to contribute."

Not all the king's horses nor all the king's men, nor yet modern engineers could take the raw materials assembled by the hen and manufacture the complete proteins and fats, combine them with the wonderful exactitude she does with minerals and vitamins, and seal it all up in the marvelous triple-sealed package, as the hen does.

BARRING the anti-scurvy vitamin, C, (found in oranges, lemons, tomatoes, and similar fresh fruits and vegetables) the egg has generous amounts of every vitamin. It is liberally supplied with carotene, from which the liver manufactures vitamin A, disease resistant vitamin. Doctors today recommend feeding breast-fed babies finely grated hard cooked egg yolk as soon as they are weaned, since the yolk is rich in carotene, and minerals vital to growth and well being.

An educational campaign, carried out by the Ontario Agricultural College at Guelph, Ontario, Canada, in conjunction with the Sick Children's Hospital at Toronto, Canada, has

completely routed rickets in Toronto, but one case being found in that city in two years. Using eggs with the vitamin D content stepped up by feeding hens with a ration including viosterol, severe cases of rickets were cured more speedily than when the children were given cod-liver oil. What child would prefer cod liver oil to an egg yolk? Consider the advantage of the essential minerals also found in eggs, as well as vitamin A. Research revealed that eggs, held in cold storage from eight to eleven months, lost none of their precious vitamin D cargo. Nor was the vitamin lost through cooking, either for long or short periods.

PHOSPHOROUS, vital to healthy teeth and bones, is also present in generous amounts in eggs. Iron is needed by the body, but not acceptable unless copper is present. The egg combines these two minerals as required by the body, supplying them always in the same amounts in each egg. One egg daily contributes about one tenth of the daily bodily requirement of iron and copper.

Science again and again points out the great value of the egg. Use eggs freely in your meals, especially in the winter time when many foods are lacking in the essential vitamins, and in other protective essentials of good health.

When egg prices go high, as they promise to do this winter, there is a tendency to cut down on the use of eggs in the farm home. Don't do it; eggs are your cheapest almost complete food. Address your Homemaking inquiries to Mrs. Tilton, Poultry Tribune, Mount Morris, Ill.

HERE is Taffy Sponge Cake, containing eggs with their many values, and molasses which nutritionists tell us is also rich in iron and other minerals. Try it in the school lunches.

Taffy Sponge Cake

4 eggs, separated
1 cup sugar
½ cup molasses
1 teaspoon vanilla
½ cup cold coffee or water
½ teaspoon salt
1½ cup pastry flour
2 teaspoon baking powder

Beat egg yolks until light and thick. Gradually add sugar, coffee (or water) and molasses, beating to make a good foam. Sift, salt, flour and baking powder four times. Add to yolks, sifting in about ¼ of the flour at a time and folding it in before adding the next quarter. Add flavoring. Fold in stiffy beaten egg whites. If desired, add 10 or 12 nut meats, walnut, finely chopped. Bake in an ungreased pan in a slow oven (325 degrees F) 45 to 60 minutes, depending upon size of pan

Or slip two or three of these delicious Pin Wheel date cookies in the lunch box.

Pin Wheel Date Cookies

2 cups Brown sugar
2 eggs
3 teaspoons baking powder
Pinch of salt
2/3 cup lard
2 tablespoon sweet cream
3½ cups flour (hold back ½ cup for rolling)
1 teaspoon vanilla

Cream butter and sugar together. Beat eggs well, and add to sweet cream. Combine butter-sugar mixture with egg-cream mixture. Sift flour, salt, and baking powder, and add to liquid ingredients. Hold back ½ cup of flour for rolling cooky. Roll out to about ¼ inch thick. Spread with the following filling when cool.

Filling

1½ cups chopped dates or raisins.
¾ cup water
½ cup sugar

Cook filling carefully. Avoid scorching. Cool, add 2/3 cup nut meats. Spread filling over cooky mixture. Roll as a jelly roll. Place in ice box, or cool spot several hours, or overnight. Slice from end. Bake in quick oven.

Father will approve of these—

Doughnuts

1 cup light brown sugar
8 tablespoons melted butter (or lard)
2 eggs well beaten
1 cup sweet milk
5 cups flour
5 teaspoon baking powder
½ teaspoon cinnamon or nutmeg
⅛ teaspoon salt

Combine sugar and melted shortening. Add eggs and milk. Sift flour with baking powder, salt and cinnamon. Add to former. Roll, cut. Fry in deep fat.

$15 in Prizes

November Question Box

Here is a test to see how thoroughly you read Poultry Tribune. You may win one of these cash awards by answering each of the questions properly, and by writing a 50-word statement telling which one of the quoted statements interests you most and why. A correct answer plus the winning 50-word statement will win the first prize. The next best statement will win the other prizes. The questions listed below refer to the names of articles that are advertised in this issue of Poultry Tribune.

Rules:

1. Write plainly on one side of the paper.
2. Answer the questions by number. It is not necessary to write the question as it appears in this column. Give the number of the page on which the information is found.
3. Do not enclose anything except the answers and your 50-word statement in the envelope in which you send your entry. Be sure your name is on both sheets.
4. Address all letters to November Question Box, Poultry Tribune, Mount Morris, Illinois.
5. Entries will be judged upon correctness of answers; originality and writing style of the letter and neatness.
6. Employees of Poultry Tribune and their families are not permited to enter this contest.
7. All entries will be graded by Poultry Tribune contest editors, and all entries become the property of Poultry Tribune.
8. All entries for this November contest must reach this office not later than November 31, 1934.
9. First prize, $5; second prize, $3; and seven cash prizes of $1 each.
The questions follow:

"Gives Hens June Sunshine Full of Egg Making Ultra-violet Rays All Winter Long While Prices are High." *On what page in this issue does this information appear?*

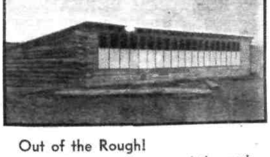
"Heartburn is distressing. But there's no longer any need to resort to harsh alkalies in order to relieve a sour stomach, gas, or after-eating distress." *On what page in this issue does this information appear?*

"If a buyer offers you 2 to 5 cents per dozen less than eggs are worth—you say 'No!' to him in a hurry. When a feed seller offers you a low producing feed that will make eggs cost you 2 to 5 cents a dozen more than they should, be just as quick to say 'No'!" *On what page in this issue does this information appear?*

"It provides ample capacity and load space for eggs, baby chicks, ground feeds and other items requiring protection from weather." *On what page in this issue does this information appear?*

"These diseases raise havoc with your poultry profits. Stop them. It is more important than ever to keep your flock healthy this year." *On what page in this issue does this information appear?*

"My 52 Barred Plymouth Rocks produced as many as 39 eggs in one day, and they seemed to hold their body weight with less scratch grain." *On what page in this issue does this information appear?*



Out of the Rough!

Poultry houses are hewn out of the rough in Wyoming. Here is a shed roof type 20 by 40 poultry house built out of material available locally. A good glass substitute is used to cover the windows. At the same time it lets in the healthful, ultra-violet rays of the sunshine, which ordinary glass would exclude. Several experiments indicate that a poultry house is warmer when a glass substitute is used than when regular glass is placed in the windows.

Big-Type English
ROSELAWN
S.C. White Leghorns

Largest Importers from Barron

Each year finds Roselawn producing better chicks than ever before. The vigorous, productive, long-lived Roselawn strain results from a consistent, forward-looking program—best illustrated by the fact that in 1934 Roselawn received its 14th CONSECUTIVE ANNUAL IMPORTATION of pure, pedigreed TOM BARRON WHITE LEGHORN breeding birds—the pick of the famous Barron bloodlines, shipped directly from Catforth, England. During all these years, the Barron strain has been scientifically blended with Roselawn's choicest birds to meet American climatic and marketing requirements.

The *"Ideal Leghorn for Commercial Eggs"* Bred Along These Practical, Common-Sense Lines For Bigger Profits . . . . .

Over 300 Contest Awards. More Than 600 Letters Of Satisfaction This Past Year

Year after year, we deliberately put Roselawn Leghorns in direct comparison with all others under the sharpest competitive conditions. The outstanding collection of recent high awards is ample proof of Roselawn strain's superiority. And after these triumphs, follow hundreds of letters from delighted customers, telling of their profits, and the pride they take in flocks raised from Roselawn chicks and eggs.

BIG DISCOUNT On Early Orders For ROSELAWN CHICKS And Hatching Eggs

Roselawn Pure-bred Chicks and Hatching Eggs will cost you no more during 1935 than last season, in spite of rising feed and egg prices, providing you place your orders early! It will pay to get in touch with us immediately—as discounts apply only on orders placed early.

1. VIGOR and LIVABILITY

Superior vitality and high resistance have been attained in the Roselawn strain through a long-established program of trapnesting, scientific breeding and progeny testing. Every Roselawn mating headed by an individually or Pen Pedigreed Male.

2. BIG, CHALK-WHITE PREMIUM EGGS

The Roselawn pedigree matings include only hens with demonstrated ability to lay big, chalk-white eggs of unexcelled shell texture . . . *symmetrical and free from tint.* That explains the large and growing demand among Commercial egg farms for Roselawn layers.

3. LONG LAYING LIFE

All the heavy-laying ancestors in the world mean nothing, if a hen dies in the middle of its pullet year. Mistakes in breeding, feeding, handling and housing often ruin a potentially good commercial flock. All Roselawn operations are specifically designed to reinforce the vitality and endurance of this highly productive Leghorn strain.

Before Ordering In 1935, Get Our FREE CATALOG

CHICK SEXING BOOK — LIBERAL DISCOUNT OFFER and How We Breed for Long Life. FREE ON REQUEST.

ROSELAWN HAS NOW IMPORTED MORE OF MY FINEST BIRDS AND FOR MORE CONSECUTIVE YEARS THAN ANY OTHER BREEDER IN THE STATES

TOM BARRON, WORLD FAMOUS ENGLISH BREEDER

ROSELAWN POULTRY FARM, Route 10 A, Dayton, O.
W. J. TIBBALS, Owner and Mgr. CODE No. 213
Reference: Dun and Bradstreet, or any Bank in Dayton

Vaccinate NOW

STOP costly infections! Have a healthy paying flock. Quick, simple and safe with dependable ASL products made under US Veterinary License—"Standard Since 1921". Preferred by successful poultrymen in every state and 15 foreign countries. Highest quality—lowest prices!

ASL Mixed Bacterin (Avian)—The *original* Mixed Bacterin for prevention and treatment of ROUP and similar conditions. Now a full 1 cc dose at greatly reduced prices—60 cc, $1.50; 125 cc, $2.50; 250 cc, $4.00; 500 cc, $6.00.

ASL Cholera-Typhoid Bacterin—60 cc, $1.50; 125 cc, $3.00; 250 cc, $5.00.

FREE—ASL ALL-Metal 5 cc Syringe Outfit. Nothing to break or get out of order. Price $1.50 complete with 2 needles—FREE to new customers with 125 cc or more of either bacterin, this month.

Fowl Pox Vaccine—To prevent pox (sorehead) and diphtheria (canker) 100 doses, $1.00; 500 doses, $4.00. No syringe needed.

Kamala-Nicotine Worm Caps 100, $1.00; 500, $4.75; 1000, $9.00.

Use Galli-Verma to control Blackhead. A specific for pin worms. 1/4 Pt (about 125 doses) $1.25; Pint $4.00; Quart, $7.00. Special 25c Bulb Syringe FREE with first order.

Use ASL Pullorum ANTIGEN for rapid bloodtesting for BWD. 500 tests $1.75. Discounts on quantities.

American Scientific Laboratories, Inc., Box 411, Polo, Illinois

WOLF "Silver Anniversary" BABY CHICKS
FROM FLOCKS INSPECTED BY A.P.A.
BUY NOW AT LOWEST POSSIBLE PRICES

14 BREEDS from BLOODTESTED FLOCKS

Yes, you can make money with poultry. WOLF "SILVER ANNIVERSARY" CATALOG tells you the complete story about our breeding and our 14 profitable breeds. Wolf chicks are the choice of thousands. Order yours now. Bloodtested with Antigen for B. W. D. by Gilbert Wolf, American Poultry Association Flock Inspector. All reactors removed. We guarantee 100% live delivery and 14 day livability, which means that we replace losses first seven days at one half and last seven days at three quarters of original price. C. C. C. 688. Buy now at lowest possible prices.

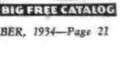
Send for FREE CATALOG in COLORS

WOLF HATCHING & BREEDING CO. Box 1 **GIBSONBURG, OHIO**

SAUDER'S BIG ENGLISH TYPE S.C. White LEGHORNS

ORDER DAY-OLD PULLETS FOR GREATER PROFITS

Sauder's SEXED chicks, bred for egg production offer you an opportunity to get Profit Producing day-old pullets, breeding cockerels or chicks from Special and Utility matings or Trapnested hens. Also broiler chicks invigorated for rapid growth - - all from hens tested by us for B. W. D. by Antigen whole blood test under my personal supervision. All reactors removed. Backed by 28 years hatching and breeding experience.
Write for the full story to bigger profits and Early Order Discounts with BIG FREE CATALOG. C. C. 627. Better grade chicks shipped in Wire Bottom Starting Brooder.



SAUDER'S LEGHORN FARM Box R.R.1 **GRABILL, IND.** BIG FREE CATALOG

Avian Mixed Bacterin Stops Colds, Declares Ill. Teacher

I've done all I would in the way of preventing colds, roup and chicken pox in the way of careful housing and sanitation during the past few years, but I'll never be without that additional protection of vaccination again! I don't believe in sticking to old methods when something better proves itself.

Last winter, after two years of experimenting with poultry vaccination, as a final proof I vaccinated ten hens and left ten others, marked, unvaccinated. The two groups ran together, ate from the same mash hoppers, ranged the same field, and drank the same water. I could only estimate the difference in egg production, but the difference in general health was definite. Three unvaccinated hens died during the winter from roup or common colds; none of the vaccinated hens died and only one case of a cold occurred in this group. The unvaccinated group was bothered by colds all winter, and seldom did I catch a hen of this group on the nest.

The boys did the vaccinating

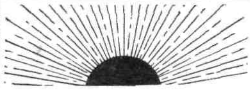
For the past three years my students in the agriculture department of the Harrisburg Township High School have done a great deal of vaccination with mixed bacterins to combat common colds, catarrh, and roup, and the results have been highly satisfactory. While flocks all around were being reported as infected by the usual troubles, the vaccinated flocks of the vocational agriculture boys went unharmed in the majority of cases, and held up to normal egg production thruout the cold and wet winter we had last year. In addition to the usual sources of infection, about 300 of these birds were shown at winter shows during the past two years under crowded conditions where danger of infection is a great deal more serious than in the well-ventilated chicken house. In nearly every case, the vaccinated birds came thru the show in good health, even though other birds in the same showroom showed definite signs of roup. One Harrisburg boy, as an example, who did not vaccinate, lost about 80 hens from roup following a poultry show last winter.

We are well satisfied that vaccination with avian mixed bacterin saved our agriculture boys well over $100 last winter, and the boys are again planning a campaign of vaccination to immunize as many as possible of their birds against colds this winter. The boys will do the work themselves, and, since the cost of the bacterin per bird is only about two cents, the total cost will be very low. The operation is certainly not dangerous, and the boys readily become proficient at the work.

This type of vaccination must not be construed as a guarantee against chicken pox, but we have not yet found it necessary to vaccinate against this disease as its occurrence in the community has been rare.—*Stanley Balloun, Ill.*

Divekey Sees Better Poultry Year

Aurora, Ill.—"Poultry business seems to be definitely on the upgrade," reports H. J. Divekey, Illinois Supply Co., here. "We see the trend in our fall orders. The professional



Feed the HUBBARD SUNSHINE Way

For Greater Egg Profits

Every required nutritional element for the maximum production and maintenance of the flock is included in

Hubbard's Sunshine Concentrate

19 choice animal and vegetable proteins and minerals exactly balanced to blend perfectly with your own grain for making Better Egg Mashes.—or, buy an egg mash ready made from the dealer who makes it

The Hubbard Sunshine Way

64-Page Feeding Manual Free

Vital information for every feeder of all poultry and livestock. Write for it today.

Hubbard Milling Co.
Mankato, Minn.

Eastern Factory
410-11th Street
Ambridge, Penn.

Better Egg Prices!

Consumers are ready to pay a premium for quality eggs. The Self-Locking Cushion Carton is built to reflect that quality and to help you **get your profit.** Eggs stand up **large and attractive.** Cushioned protection for each egg. Used by most all of the large egg distributors. Attractively printed with your own brand name. Send for free samples now.

SELF-LOCKING CARTON COMPANY
571 E. Illinois St. Chicago, Illinois

FOR 45 LONG YEARS

PARKS' Bred-to-Lay BARRED ROCKS

HAVE Layed, Lived and Payed their way into Popularity the World over.

INDEED they are justly conceded to be **AMERICA'S OLDEST & GREATEST STRAIN OF ROCKS.**

NOT BRED, Fed or Forced the limit for eggs alone. We know better and our Strain has outlived dozens of such strains that keep coming and going.

INSTEAD We've been Carefully Trapnesting, Pedigreeing and Progeny testing for High Flock Averages, Livability, Early Maturity, Feathering, etc.

VISITORS WELCOME—Thousands come annually. REMEMBER our Rocks and Moving Pictures of our Modern Pedigree Breeding Farm were part of Uncle Sammy's outstanding exhibit at the World's Poultry Congress.

OLD AND YOUNG STOCK, CHICKS OR EGGS.
At Special Fall Prices. Catalogue Free.

J. W. PARKS & SONS, BOX O, ALTOONA, PA.

ONLY $1.95

For this 3 gallon RITE-WAY POULTRY FOUNTAIN and HEATER for winter and summer. Also made in 4 gallon size. Drink all the way around. Approved by Poultry Tribune Experimental Farm. Sold on a money-back guarantee. ORDER TODAY or send for circular of Rite-Way Fountains and Feeders.

RITE-WAY METAL PRODUCTS CO.
Box 400 Saranac, Mich.

BROILER GROWERS EGG PRODUCERS

Again Arndt Leads the Way

Designs New Low Priced Battery Line

ARNDT leadership in the battery field is recognized by all. Now, ARNDT offers you Broilers and Laying units much lower in price, yet with the essential features which have made ARNDT Batteries famous. As an ARNDT customer you will be entitled to the aid of our Advisory Service, personally supervised by Milton H. Arndt. This helps you avoid costly mistakes and assures success from the start.

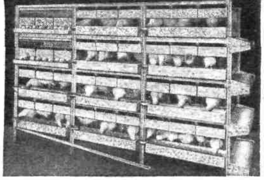
Write for new Illustrated folder featuring these new low-priced Batteries.

ARNDT NEW-ERA DEMONSTRATION FARM

A modern up-to-the-minute Battery Plant with over 9,000 birds. An amazing revelation, showing what can be done on a single acre. Visitors welcome every week day. Call at 2759 Nottingham Way, Mercerville, N. J.

M. H. ARNDT MFG. CO.
Dept. 13, Trenton, New Jersey

ARNDT New-Era "50-Broilers-Per-Week" Plant
A complete Broiler Producing Unit—No Other Equipment Required, from Chicks to Finished Broilers.



Wood Charcoal Endorsed For Poultry

That Wood Charcoal is a necessary adjunct in profitable stock and poultry raising is attested by enthusiastic letters received from successful farmers who have used it. Excerpts are given herewith—

"I am a strong advocate of charcoal for poultry of all ages, pigs, sheep, cows, rabbits, etc. I recommend 2% in mashes and always feed coarse in open hoppers. If you use it and stop it—you can notice it's missing after a while and **after all the birds love it.** They know better than we."

E. C. Foreman, Michigan Agricultural College says, "Wood Charcoal acts as a blood purifier and intestinal corrective."

For further information **send for new free booklet, "Wood Charcoal in Livestock and Poultry Feeding."**

WOOD CHARCOAL RESEARCH BUREAU
Desk B,
P. O. Box 389, Jacksonville, Fla.

$4.95 Turns on Lights
in poultry houses
Makes chickens pay better
because lighted houses do
Increase egg production
25 to 100 per cent.

"Da-Lite" Time Switch

Automatic Electric Mfg. Co., Mankato, Minn.

PICK-OUTS
STOP-IT-WITH Gawiler PICK-OUT-SHIELDS
SPECIAL PRICES
If your Dealer cannot supply - WRITE US
METAL PRODUCTS MFG. CO. 1762 RAINIER AVE. SEATTLE, WN.

Vaccinate

NOW for ROUP—POX CHOLERA—TYPHOID PROTECTION

Look at These Low Prices

Fourteen years supplying poultrymen with bacterins and vaccines proves that Fidelity keeps faith—supplying the best obtainable —at the very lowest possible cost. Fidelity Bacterins and Vaccines are all made under *U. S. Veterinary License.*

AVIAN MIXED BACTERIN

for the prevention and treatment of Colds, Roup: secondary infections accompanying Diptheria, Canker, Cholera, Catarrh, etc.

60 doses $1.00 250 doses $2.50
125 doses 1.50 500 doses 4.00

FOWL POX VACCINE

For the prevention of Chicken Pox and Canker. Specify your choice of vaccine made from chicken or pigeon strain.

100 doses $1.00 500 doses $4.00

FIDELITY SPECIAL SYRINGE
(Not required for antigen or pox vaccine)

For administering Avian Bacterin. Glass barrel, 2 needles. Don't confuse this syringe with ordinary cheap ones. High grade in every respect. Now only 75c.

FREE with any order, only one to a customer, choice of one 60c package Fidelity White Diarrhea Tablets or bottle Disinfectant.

ORDER NOW—before your flocks become infected and heavy losses occur. All prices prepaid. Write for free booklet on poultry diseases.

FIDELITY LABORATORIES, Inc.
814 EXCHANGE AVE. CHICAGO, ILL.

LADIES! SOMETHING NEW!

The Egg Separator

This is the handiest little gadget ever invented for the busy housewife. Quick, sanitary, no waste. A double cup arrangement. Just break the egg into the larger cup, tip it to pour off the white, and the yolk will remain in smaller cup. You can separate eggs for a big cake in a jiffy. You'll wonder how you ever got along without it. It comes in bright nickle finish, easy to clean, substantially constructed and will last a life time.

HOW TO GET IT

Send 25c for a year's subscription to Poultry Tribune, and the EGG SEPARATOR will be sent you FREE at no extra cost. *If you already take the Tribune,* mark your order, "Renewal" and we will extend your time one year, or you can donate the subscription to a friend who raises poultry. This premium cannot be given for subscriptions previously sent in. This offer good in U.S.A. only.

Poultry Tribune, Dept. 192, Mount Morris, Ill.

poultryman is ordering quality equipment with more confidence, and he has the money to pay for it. Amateurs can again see profits in the offing, and small orders are increasing in amount and numbers. Market conditions, with lower storage stocks, fewer hens, and rising prices, are so encouraging that we feel justified in predicting very fair business for 1935."

* * *

Roselawn Gets More Barron Birds

Dayton, Ohio—Roselawn Poultry Farm of this city has just received another shipment of fine breeding birds from Tom Barron in England. This makes the fourteenth consecutive year that this breeding farm has imported the finest birds possible from this noted English breeder.

W. J. Tibbals

Barron, in recently writing to Roselawn, stated in his letter that they have imported more of his fine birds and for a longer number of years than any other breeder in the United States. This year's importations are all out of Barron's best contest winning hens and maintain the high standard of breeding behind all the birds Roselawn has imported.

* * *

Ed, Ad And Art Club To Meet

Boston, Mass.—The Ed, Ad and Art Club; Guild of the Outdoor, Poultry and Livestock Graphic Arts of the United States and Canada will meet on the afternoon of January 4 at the Lenox Hotel, here, for its regular midwinter luncheon and round table conference. Secretary Hugh Thompson urges every member to make a special effort to be present, as there are important questions concerning the application of the NRA Graphic Arts code to this branch of the industry up for discussion and a full expression of opinion is highly desirable.

* * *

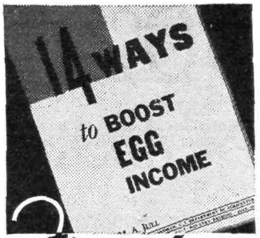
Minorca Club Chooses Indianapolis

Indianapolis, Ind.—The United White Minorca Club will hold their international meet and show, here, December 5-9. In addition to liberal, regular and special cash awards, the club will offer special certificates; also cash premiums to be extended five places beyond last cash award in each class paid by the expense management. Club secretary is N. C. Willoughby, St. Simons Island, Georgia.

Poultry Tribune endorses the better housing program which has just been launched by the Federal Housing Administration. For the poultry raiser, it will enable him to purchase poultry fence, roofing, glass substitutes, insulation, cement, and every commodity that is needed for poultry house construction. Money is available for remodeling of old buildings as well as for the construction of new poultry houses. Money may be borrowed to install a light plant for the home and for the chickens, running water for the home and the chickens and even for heating the poultry house.

WE ARE CO-OPERATING — BETTER HOUSING PROGRAM

For a free 24 page bulletin on the National Housing Act, address Harry Daniel, Public Relations Division, Federal Housing Administration, New Post Office Bldg., Washington, D.C.



Free!

Let this pamphlet, written by one of the foremost living poultry authorities, help you get more eggs out of every bag of feed . . . better flock health . . . extra vigor and vitality—and Extra Income. . . .

WRITE NOW FOR YOUR COPY

To get genuine NOPCO XX ask for it by name. The "Red-Top" Guarantee Tag or this Shield on feed sacks identify genuine NOPCO XX properly mixed.

THIS FEED CONTAINS GENUINE NOPCO XX

NOPCO 2554 Essex St., Harrison, N. J.

Manufacturers of Nopco XX Vitamin Concentrate—*demonstrated by 3500 farmers to earn* $12.00 Extra Income per 100 hens.

I'll Start you on the Road to Success in the HATCHERY BUSINESS

with a

HUMIDAIRE INCUBATOR

BREEDERS! Big Money in Baby Chicks!

Breeder! If you have ambition, I'll put you on the road to success in the HATCHERY BUSINESS, supplying the market for baby chicks in your own community.

Here is a business that pays handsome returns. *You can start small—in your spare time* if you wish and operate in your own basement. Then expand as your business grows.

Small Investment! As Low As $79.50

We supply you with this wonderful HUMIDAIRE ELECTRIC INCUBATOR in a size to fit your needs. Very simple to operate and highly efficient. Made in 9 sizes from 400 eggs to 10,050 eggs.

Free with Every Incubator Order

we give you our Humidaire hatchery co-op service which consists of—COMPLETE MANUAL—Containing the fruits of Dr. B. H. Clem's 11 *years of hatchery experience. This manual is* your guide to success.

ADVERTISING—We furnish colorful advertising folders, dignified impressive letterheads, newspaper ads, ready to run.

GET ALL THE FACTS *about this proposition* now. Write for the full story in FREE 16 page booklet.

NEW MADISON INCUBATORS, Inc.
Dept. 40 New Madison, Ohio

GET FREE BOOKLET TODAY

BISHOP STRAIN R. O. P. BARRED ROCKS

Acknowledged by Poultry Authorities to be **America's Finest Combination Quality.** Chosen for U. S. Official Exhibits to last two World Poultry Congresses; 4-yr. Storrs average 238 eggs per bird; big eggs; high production; big body size; R. O. P. supervision. Pullorum clean. Day old chicks, hatching eggs of highest quality for foundation stock or flock improvement, and breeding hens, pullets, pedigreed R. O. P. cockerels and yearling males for sale. Now booking November, December and January chicks. Code No. 355.

R. WALTER BISHOP Box 472 Guilford, Conn.

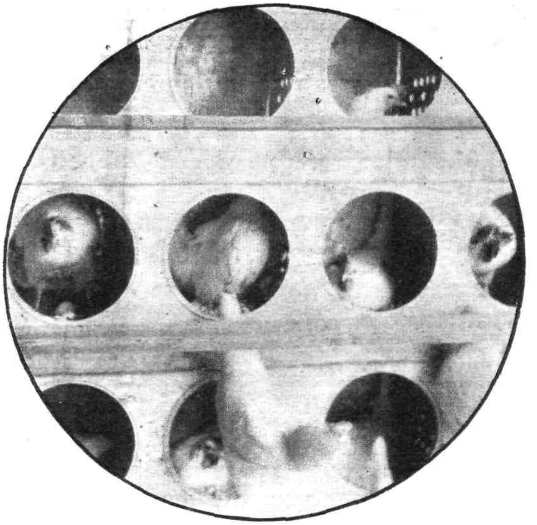
POULTRY RECORD BOOK—A complete and simplified bookkeeping system. Contains record sheets for a whole year. Everything fully explained, you can't go wrong. It pays to keep records, and this book shows how....$ .50

POULTRY TRIBUNE MOUNT MORRIS, ILL.

50% Production in November

Some management suggestions

by ROY E. JONES
Extension Poultry Specialist
Conn. State College



ASK YOUR poultry neighbors and friends if they are obtaining 50 per cent egg production during September, October, and November. By this I do not mean 50 per cent production from a fragment of the old hen flock, but rather 50 per cent production from the laying hen capacity of the farm. If the answer comes back, "Yes," it will be accompanied by a cheerful, optimistic attitude toward the poultry industry, for 50 per cent production of plant capacity during high egg prices will net a reasonable margin above cost.

If the answer comes back, "No," as it usually does, it may be accompanied by grumbling that such a question is absurd and that such a standard cannot be reached; yet it is being reached by those who definitely plan in advance. Practical ways of obtaining this result can perhaps best be shown by citing actual experiences.

ON WEDNESDAY, August 29, the New Haven County Farm Bureau included in its poultry field trip schedule two farm visits in Branford, Connecticut, where such management practices were being successfully carried out. The first farm, owned by W. W. Ham, is a market-egg, hatching-egg, and baby chick farm. The laying hen capacity is 2500. There were 1500 hens remaining in the laying houses, producing about 700 eggs a day. There were 2000 pullets, mostly still on range, laying between 600 and 700 eggs a day. This gave a production of over 1300 eggs per day for a housing capacity of 2500 birds, although 3500 head of stock were involved in this production.

The question was asked, of course, about the advisability of allowing pullets to remain on range when they were laying 600 eggs per day and gaining steadily. In answer to this, Ham replied that he expected to leave these pullets on range about two months longer, as he did not wish to sacrifice the production of the old hens, and he felt confident that the old hens would continue to hold their present production for about that period. When asked if the pullets would not go into a molt, Ham replied that some would molt but not seriously. He pointed out that the old hen flock—then laying close to 50 per cent—laid between two and three months on range a year ago and were treated exactly the same as the pullet flock in question. This means that the first year's production was stretched out close to 15 months.

THE PULLET production on range is maintained by liberal feeding, and a slump at the time of housing is controlled by the use of artificial heat. The continued old hen production in the fall is obtained by using artificial light from 3 a. m. until daylight, beginning about August 15 and continuing until the hens are disposed of, or until it is necessary to throw the hens into a molt in order to bring them back into production for the hatching season.

On the second farm visited, owned by Rudolph Kneuer of Branford, Conn., the same result was accomplished but in an entirely different way. The hen capacity on this one-man farm was 1500. There were 250 hens remaining out of the old-hen flock, but these had been culled and moved around until they were laying only about 50 eggs per day. There were 1150 pullets housed, laying about 700 eggs per day. This gave a production of 750 eggs per day, or 50 per cent of the laying hen capacity. There were also about 200 pullets on range just coming into production. On each of these farms the production reported should increase rather than decrease during September and October.

You may ask if these pullets and hens are of unusual breeding, and to this I think the owners would say, "No"; they are of very good breeding, but they are not unlike thousands and perhaps hundreds of thousands of pullets and hens kept throughout New England.

IN REGARD to houses and equipment, one farm has ordinary shed-roof houses while the other farm has a remodeled barn. The equipment for feeding and watering is simple, but it offers a liberal opportunity for all of the birds to get all they want.

If there is any secret to the success on these two farms, it is a "hen sense" and the sound judgment of the two owners. Plans are made to hatch early, mature the pullets early, and have them in heavy production during the season of highest fall egg prices. Plans are made to keep the laying-house capacity filled as near as possible to maximum throughout the entire year.

To those who may wish to maintain the fall production on hens yet do not want to leave laying pullets on range, the *Barracks House* offers a solution. The Barracks House is an all-purpose house used for brooding in the spring, used for finishing

cockerels during the late spring or summer, and used to transfer such a part of the laying flock as should be pushed for egg production as long as they will produce profitably during the fall, but not carried through the coming year. *The portion of the flock selected for breeding or second-year production should remain in the permanent laying houses.*

This culling or transfer of hens can best be done at the time lights are turned on about *August 15. The lights will counteract any* upset due to moving, and should cause an actual increase in production. Good birds which have started to molt slightly during July or early August will, under this *management, come back and lay throughout the fall.*

STILL another system, available to those who brood in colony houses and do not have a Barracks House available, is the *construction of a laying shelter. Such a shelter,* which simply provides protection for roosts and nests, is frequently built in the rear of a laying house. The hens are allowed to run *out in the yard, they become accustomed to the shelter which they find attractive for roosting* and laying, the hen house is closed up and the transfer is made without loss in production because conditions are actually better in the shelter than in the laying house during extremely hot summer weather.

One disadvantage associated with the summer roosting shelter is that hens cannot be carried as far into the fall and winter as in the Barracks House. With either of these systems carefully carried out, it is possible to have the number of laying birds on the farm exceed the laying hen capacity by 25 per cent to 35 per cent, thus obtaining two seasons of high-priced egg production in the pullet laying year and actually obtaining more total egg production during September, October, and November than during any other three-month period of the year.

News . . .

(Continued from page 2)

major cash awards of $200, $100 and $50 respectively, plus two special awards of Plymouth standard six sedans.

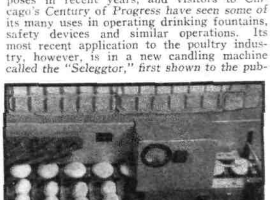
This is the tenth anniversary of the Sears raw fur marketing service, originated in 1924, as a division of the Sears Agricultural Foundation in order to get the highest market value for raw furs shipped in by trappers and fur farmers. It has become the largest service of its kind in the world—marketing more than 14,000,000 pelts, which brought between $15,000,000 and $20,000,000 income to shippers.

More than $25,000 in prizes for careful pelt preparation has been given by Sears, Roebuck and Company in the six years ending with the current season.

* * *

New Automatic Egg Grader Developed By Kraft Phenix

Chicago, Ill.—The photo-electric cell or "electric eye" has been used for many purposes in recent years, and visitors to Chicago's *Century of Progress have seen some of* its many uses in operating drinking fountains, safety devices and similar operations. Its most recent application to the poultry industry, however, is in a new candling machine *called the "Seleggtor," first shown to the public* at the National Poultry, Butter and Egg Association convention here, early in October.



The Seleggtor is fully automatic.

This machine has been developed over a period of years by the research department of *the Kraft Phenix Cheese Corporation, here,* already well-known in the poultry field for the development of Kraco, a milk sugar feed

200 *Styles and Sizes of Stoves, Ranges, Furnaces*

Porcelain Enamel Combination Gas, Coal and Wood Ranges

Porcelain Enamel Circulating Heaters

FREE furnace plans

Approved by Good Housekeeping Institute

850,000 Customers have proved the economy of

FACTORY PRICES!

Mail coupon now—get this exciting, colorful Free catalog, sparkling with over 175 illustrations—200 styles and sizes —*174 Ranges, 12 Different Heaters, 22* Furnaces. More bargains than in 20 Big Stores. Quality the same that over 850,000 satisfied customers have trusted for *34 years.*

What This Great Catalog Offers

1. **Combination Gas, Coal and Wood Ranges; Coal and Wood Ranges; Circulating Heaters; Furnaces** — both pipe and one-register type—all at FACTORY PRICES.
2. **Cash or Easy Terms**—Year to Pay—A New Money Saving Payment Plan.
3. **30 Days FREE Trial**—360 Days Approval Test.
4. **24 Hour Shipment**—Safe Delivery Guaranteed.
5. **$100,000 Bank Bond Guarantee of Satisfaction.**
6. **5 Year Parts Guarantee.**
7. **FREE Furnace Plans—FREE Service.**

Read about the marvelous "Oven that Floats in Flame"—and other new features.

Porcelain Enamel Heaters—both Walnut and Black. Also Wood-burning stoves. Make a double saving by ordering your *furnace at the factory price. Install it yourself.* Thousands do. It's easy. FREE plans.

Buy Your Stoves Direct From the Men Who Make Them

You don't have to pay *more* than the *Factory Price. Come straight to the Factory.* Mail coupon *now.*

THE KALAMAZOO STOVE CO., Mfrs.
15 Rochester Ave., Kalamazoo, Mich.
Warehouses: Utica, N. Y.; Akron, Ohio

FREE *Catalog*

KALAMAZOO STOVE CO., Mfrs.
15 Rochester Ave., Kalamazoo, Mich.

Check articles in which you are interested.

Dear Sirs: Please send me your FREE Catalog.

- **Coal and Wood Ranges** ☐
- **Heaters** ☐
- **Oil Stoves** ☐
- **Furnaces** ☐
- **Comb. Gas, Coal and Wood Ranges** ☐

*Name*____________________
(Please Print Name Plainly)

Address ____________________

*City*____________ *State*________

"A Kalamazoo Direct to You" Trade Mark Registered

POULTRY BOOKS

Practical Poultry Farming

By **Prof. L. M. Hurd,** of Cornell University. The first edition of this book received enthusiastic endorsements *from* leading poultry authorities; high praise from users in every state and many foreign countries. After four large printings in three years, it is now available completely revised throughout and brought up to date in text and illustrations, and published at a reduced price.

We recommend it as a general reference and text book on poultry raising. 480 pages, 161 illustrations, cloth binding. **Price $2.50**

Standard of Perfection

Published by American Poultry Association, 1930 revised edition contains complete description of every *standard breed of chicken, water fowl and turkey* as to weight, size, color, markings, shape, and defects; 427 pages with 122 full page illustrations. Cloth bound. **Price $2.50**

Int. Poultry Guide

A new 150-page culling book published by the Int. Baby Chick Ass'n. Designed to serve as a culling guide for baby chicks, growing stock, and mature fowls of all principal breeds. Valuable charts and diagrams on correct production and breed types. Written by Prof. Payne and Prof. Scott of Kansas Agri. College. Over 50 splendid illustrations. Bound in pocket size. **Price $1.50**

Battery Brooding

By **Milton H. Arndt.** Step by step, and detail by detail, this new book presents the whole subject, explains underlying principles; emphasizes important practical points in building and equipping battery brooder houses, heating, lighting, ventilating and managing them; goes into minute detail as to care of the birds from start to finish; warns against common mistakes; and suggests ways of saving labor, time, feed and money. Illustrated. 320 pages. Cloth. **Price $2.00**

Poultry Husbandry

By **Dr. M. A. Jull,** Chief Poultryman of the U. S. Dept. of Agriculture. Just published in 1930. An encyclopedia of poultry facts, written by a national authority. All phases of poultry are covered, mating and breeding treated in a most thorough manner. Book has extensive index and reference list. 639 pages, 6x9 inches, well illustrated, bound in blue cloth. **Price $4.00**

Poultry Diseases and Their Treatment

By **Dr. B. F. Kaupp,** national authority; a most complete and reliable treatise on poultry diseases, giving description and treatment of every disease to which poultry is subject. All based on laboratory tests and post-mortems. Cloth bound, illustrated, 342 pages. **Price $3.50**

Practical Poultry Houses

Compiled by **Poultry Tribune.** This book has REAL BLUE PRINTS of several approved types of poultry houses. Valuable housing information, even if you do not expect to build now. Information on ventilation, lighting, and labor saving equipment. 9x11 inches, paper cover. **Price 75c**

100 Proven Selling Plans

Tells you how to dispose of your eggs and poultry direct to consumer. 96 pages, paper binding. **Price $1.00**

New Road to Independence

This book tells how to raise chickens in confinement by use of brooding and laying batteries. Great opportunity for city people. The author, Milton H. Arndt, is the pioneer and foremost battery specialist. 160 pages, 100 illustrations. Heavy paper binding. Price $1.00.

Turkeys, Guineas, Pheasants

A useful little reference book recently published by National Poultry Institute. Latest information on turkeys, guineas, peafowl and pheasants. 140 pages, illustrated, paper cover. **Price $2.00**

Turkey Production

By **L. E. Cline,** a new revised and enlarged edition, covering every phase of the turkey industry. Special stress on marketing and *disease control. 436 pages, 6x9* ins., well illustrated, cloth binding. **Price $3.50**

Poultry Breeding

By **Dr. M. A. Jull, U. S. Dept. of Agriculture.** This new book tells how to develop a high laying strain, good egg size, how to secure good fertility and hatchability and how hatchery operators can get better results and improve the quality of their chicks. The book discusses sex-linked crosses, inbreeding, and crossbreeding, and many other problems of practical importance. Just published. 380 pages. 6x9 ins., cloth. **Price $3.75**

POULTRY TRIBUNE
BOOK DEPT. MOUNT MORRIS, ILL.

It's Easy on Your Pocketbook!
Low in First Cost
Economical to Operate

TRUMBULL Automatic
ELECTRIC Water Warmer

THIS, the first really practical AUTOMATIC Water Warmer, sells, complete with built-in thermostat, at about what you would pay for a thermostat *alone*.

The thermostat switches on the current only when temperature of water falls below 50° F. Even last winter, the severest on record, customers reported very low operating cost. Tests at Cornell and elsewhere show current consumption as low as one-fourth that of non-automatic water warmers.

At your dealer's or send $3.00, and we'll mail Warmer, postpaid. Guaranteed to keep up to 20 qts. of water unfrozen, at a room temperature of 15° below zero. Can be used in any open pan or crock.

Write for illustrated Folder, giving *results of tests at State Colleges.*

A GENERAL ELECTRIC ORGANIZATION
The TRUMBULL ELECTRIC MFG. CO.
Dept. W-3,
Plainville, Conn.

WHAT DOES IT COST TO WORM YOUR PULLETS

Just the price of the Iodine Vermicide Merck. • There is no added expense because of loss of growth or loss of egg production. • Use Iodine Vermicide Merck this year and save money. Write for copy of the booklet: "Facts About Iodine"

MERCK & CO. INC.
Manufacturing Chemists
RAHWAY, N. J.

IODINE VERMICIDE MERCK

OK POULTRY LITTER
Saves labor—lasting longer than any other litter. Definitely germicidal—prevents spread of disease. Increases profits. FREE booklet shows why and how. Send today.
THE O.K. COMPANY
R-165 John Street
New York, N. Y.

DUBUQUE POULTRY SHOW
November 28th to December 2nd, 1934
Shelby Potter, Sec'y, Dubuque, Iowa

which has found wide popularity. The grader will be leased to users on a royalty basis by a subsidiary organization, Kraft Egg Machine Co., Inc., Chicago.

The Seleggtor scores interior quality of eggs on the basis of the amount of firm white and the condition of the yolk. The impression made by each egg on the "electric eye" actuates an electric mechanism which automatically places it into its proper quality grade (one of four), and further divides top grade eggs into large, medium, and small sizes.

It also provides two sets of candling lights, one for the operator who places the eggs on the machine, and another for the operator who removes the eggs, thus in actual practice giving a triple inspection of all eggs—one by the "electric eye" and two by human eyes.

The development of this machine marks a long forward step in the determination of interior egg quality and makes it possible for packers to prepare more uniform grades than has been possible previously. It eliminates all variation in grading due to variation in equipment, and human fatigue or "off days."

* * *

Olendorf Joins Health Products Corporation Field Staff

Newark, N.J.—Appointment of H. A. Olendorf, who for fifteen years has been associated with the feed industry, to the field staff of *Health Products Corporation, here,* is announced by W. R. Cassell, director of special markets division.

H. A. Olendorf

Olendorf has had wide experience both in the buying and selling of feeds and ingredients. For ten years he was associated with the Arcady Farms Milling Company, during which period he served as manager of the company's mills at East St. Louis and North Kansas City. While serving as a buyer of feeds he was a member of the Chicago Board of Trade. He later joined the sales department of the J. J. Badenock Company.

In his new position, Olendorf will visit feed manufacturers in connection with Clo-Trate concentrate cod liver oil made by Health Products Corporation. This company recently launched a campaign emphasizing the merits of branded commercial feeds. According to Cassell, the new campaign has aroused wide interest throughout the feed industry.

* * *

National Poultry Institute Moves

Adams Center, N. Y.—The National Poultry Institute, formerly located at Washington, D.C., has been moved here where Harry M. Lamon, president of the institute, has his own experimental farm.

The work of the institute will be continued from Adams Center as it has been conducted from Washington, and will continue under the direction and personal supervision of Lamon, who established this correspondence school more than fourteen years ago, after resigning his position as senior poultryman in the U.S. Department of Agriculture.

It is expected that this move will enable Lamon to give closer personal attention to students and to combine the practical poultry work on his farm with the material given in the correspondence course.

* * *

Early Hatched Pullets Have Some Advantages Of Hens, Says Coombs

Sedgwick, Kansas—While it is usually considered that hens make the best breeders during their second and third laying season, most of the advantages of hens can be obtained in very early hatched pullets, believes Eustace Coombs, Coombs Poultry Farm, here.

During December and January, the Coombs Poultry Farm will pedigree hatch all of the eggs laid by the most valuable of their R.O.P. S.C. White Leghorn breeding hens. They believe that pullets raised from these chicks will be as fully matured during their first breeding year as the old stock, and their egg size will be almost equal to that of old hens.

Due to the fact that a breeder has more time and incubator space to pedigree, hatch and wingband chicks during these early months, Coombs believes that breeders can afford to offer an attractive discount to encourage breeders or hatcherymen to obtain their pedigree chicks during the early months. He has issued a circular on December and January hatched pedigreed chicks which will be of interest to many breeders and hatcherymen who expect to qualify under the new U.S. breeding program next season.

* * *

International Harvester Announces New Streamlined Truck Models

Chicago, Ill.—Announcement of a new line of International trucks has just been made by International Harvester Co., here. The new models, which range from ½ ton to 5 tons capacity, combine modern streamline designing with the inherent International quality. The forerunner of this new line, the ½-ton Model C-1 announced some time ago, has met with enthusiastic approval and the

International's new streamlined trucks come in a variety of sizes, colors and styles.

larger models now being shipped from the factory carry the same distinctive lines and attractive finish.

All of these new Internationals are of the same streamlined design which is carried out in cabs and in panel bodies. Stock-hauling bodies, stake and panel bodies, and dump bodies of types to meet all hauling requirements are available for each of the new Internationals.

Another factor which contributes greatly to the attractive appearance of International models is the finish. The Harvester Company has recently installed at its motor truck works equipment for applying and baking the latest type of enamel finish, which is baked on and which holds a permanent gloss after the trucks are in service.

* * *

Flex-O-Glass Makes Special Offer

Chicago, Ill.—An unusual opportunity is being offered poultry raisers in which they may secure an ultra violet ray transmitting glass substitute at very low cost from the Flex-O-Glass Manufacturing Company, here.

Remnants from large rolls purchased by dealers are being sold at a special low price. These are one yard wide and up to 10 yards in length. Used in the windows in place of ordinary glass, this material permits the passage of ultra violet rays which provide vitamin D for the birds. Vitamin D, of course, is necessary for the proper assimilation of minerals in order to secure good bone growth and egg shell structure.

* * *

National Leghorn Meet Scheduled For Des Moines

Des Moines, Iowa—The combined National Leghorn Meet has been voted to the Tall Corn Association to be held in connection with their annual Iowa State Poultry Show, here, December 12-17, according to Frank Harris, secretary.

Leghorn breeders from every section of the United States will be in attendance. A rabbit and pigeon show will be held in connection with the poultry show.

* * *

Increased Use Of Poultry And Eggs Is Aim Of New Research Kitchen

Chicago, Ill.—A laboratory kitchen to be devoted to poultry and egg nutritional research has been completed by the Institute of American Poultry Industries in the Mercantile Exchange Building, announces Clara Gebhard Snyder, Division of Foods and Nutrition, for the Institute. The generosity of twelve Institute members who donated funds for equip-

ping it and the cooperation of the management of the Mercantile Exchange Building in donating the space, will be appreciated by the whole poultry industry, for this laboratory will be used to expand poultry and egg consumption.

"The chief use of the kitchen will be to develop new recipes including eggs or poultry or both as their chief ingredient, and new

Reception room and kitchen in the new laboratory

ways for serving them and utilizing these products to a greater extent than they now are used," says Mrs. Snyder.

Many of the photographs which will appear in the home economics sections of daily newspapers, and particularly those dealing with *eggs and poultry, will originate in this new* laboratory.

* * *

QUEER QUIRKS—Maori women of New Zealand do not boil their eggs on stoves, as they have no stoves. The eggs are boiled in pots placed in natural hot-water springs that bubble from the earth. They dip their fowls in this water, before picking them, then boil the fowl in the same water.

* * *

QUEER QUIRKS—In Denmark, poultrymen members of the "Egg Raisers' Association," stamp their trade number on each egg sold for export. A bad egg brings a fine to the poultryman attempting to ship it. Three bad eggs bring a heavier fine, or expulsion from the Association.

Advertisers Index—Central Edition

Acetol Products.......2
Adams, Paul H.......27
Agasote Millboard Co.......2
Akron Lamp Co.......9
Allen Co., W. F.......14
Amer. Frog Canning.......18
American Mushroom Ind.......19
Amer. Scientific Labs.......21
Arndt Mfg. Co.......22
Automatic Elec. Mfg.......22
Beck, R. L.......10
Beebe Labs.......12
Bishop, R. Walter.......23
Booth Farms.......16
Booth Co., F. E.......14
Brower Mfg. Co.......14
Brown Fence & Wire.......16
Burpee Co., W. Atlee.......14
Burrell-Dugger Co.......16, 14
Bussey Pen. Prod.......18
Celotex Co.......13
Close-To-Nature Co.......9
Colonial Poul. Farm.......14
Conkey Co., G. E.......27
Crown Iron Works.......9
Des Moines Inc. Co........28
Dubuque Poul. Assn.......26
Famous Poul. Farm.......14
Fidelity Labs.......23
Fischel, Henry A.......2
Flex-O-Glass Co.......9
Goodwin Tire Co.......12
Hambley Supply Co.......2
Hanson, J. A.......14
Hess & Clark.......17, 18, 19
Hubbard Milling Co.......22
Illinois Supply Co.......2
Insulite Co.......17
Int'l Harvester Co.......4
Iodine Educ. Bureau.......28
Kalamazoo Stove Co.......25
Kitselman Bros.......18
Layton, J. E.......14
Lee Co., Geo. H.......15
Lewis Medicine Co.......10
Lewis Training Inst.......10
Lyon Elec. Co.......12
Mahood, E. W.......14
Merck & Co.......26
Metal Prod. Mfg. Co.......22
Nat'l Band & Tag Co.......18
Nat'l Oil Prod. Co.......23
Nat'l Poul. Institute.......10
New Madison Inc. Co.......23
Nichols Poul. Farm.......12, 18
Northwestern Yeast Co.......15
O. K. Company.......26
Oyster Shell Prod.......12
Paramount.......Back Cover
Parks & Sons, J. W.......22
Pearl Grit Co.......27
Peat Import Corp.......8
Piepgras Light Co.......19
Ply. Rock Squab Co.......12
Pratt Food Co.......10, 18
Prospectus Mfg. Co.......16
Purina Mills.......11
Putnam, Inc., I.......16
Quaker Oats Co.......3
Quisenberry Food Co.......15
Rite-Way Metal Prod.......22
Rosebud Perfume Co........10
Roselawn Poul. Farm.......21
Rusk Farms.......9
Dr. Salsbury's Labs.......18
Sauder's Leghorn Farm.......21
Sav-An-Upper.......10
Scharf Bureau.......10
Sears, Roebuck & Co.......14
Self-Locking Carton.......22
Shaw Mfg. Co.......14
Sisalkraft Co.......27
Specialty Mfg. Co.......19
Superior Hatchery.......14
Tobacco By-Products.......12
Trumbull Elec. Co.......26
Turner Bros.......15
Turkey World.......16
Wolf Hat. & Brdg. Co.......21
Wood Charcoal Research.......22
York Tire & Rubber.......18

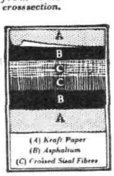
You can make your laying house warmer with this air and moisture proof

SISALKRAFT

REG. U. S. PAT. OFFICE

NOW is the time to put your house in good shape for the winter. Whether you are building a new one or fixing up the old one you need this tough sisal reenforced paper. It shuts out all damp, cold drafts that cut down egg production so badly. One or two more eggs per hen will pay for it. It's easy to apply and stands almost unbelievable abuse. Both as a lining and for laying over the floor it has proved its great value to hundreds of poultry men throughout the country. Ask for our free booklet outlining uses.

Note the construction of the paper from this cross section.



THE SISALKRAFT CO.
205 W. Wacker Drive (*Canal Station*) Chicago, Ill.
New York City San Francisco, Calif.

The Sisalkraft Co., 205 W. Wacker Drive (*Canal Station*), Chicago
I am interested in keeping cold air and moisture out of my poultry house. Please send free booklet "New Ideas in Poultry Housing".
I am planning to build.......repair.......
Name.......
Address.......
City.......*State*.......

Get this illustrated booklet, showing how to make weather tight poultry houses.

PT 11 Gray

Say "NO!" -to BOTH

If a buyer offers you 2 to 5 cents a dozen less than eggs are worth—you say "No" to him in a hurry. When a feed seller offers you a low producing feed that will make eggs cost you 2 to 5 cents a dozen more than they should, be just as quick to say "No." Insist on

Conkeys Gecco Egg Mash with Y-O

Thousands of poultrymen have proved that Conkeys does produce eggs at lower cost. They're better eggs, too—larger, stronger, better flavored and command higher prices. If you haven't tried Conkeys—the high producing Ready Mixed Egg Mash with Y-O—get a sack from your dealer at once and see for yourself how by paying just a little more per bag you cut down the cost of every egg you get. Here's the reason—

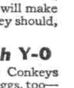
Every pound of Conkeys Gecco Egg Mash is vitalized with Y-O (Yeast and Cod Liver Oil). Rich in Vitamins A, B, D and G. (45)

Vitalize all your feeds with Conkeys Y-O

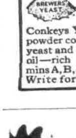
BREWERS' YEAST — COD LIVER OIL

Conkeys Y-O is a powder containing yeast and cod liver oil—rich in Vitamins A, B, D and G. Write for prices.

The Best Feed is always the cheapest —Buy Conkeys



The G. E. CONKEY CO., 6710 Broadway, Cleveland, O.
Mills: Cleveland, O.; Toledo, O.; Nebraska City, Nebr.; Dallas, Texas



Help me get MORE EGGS!

"I'd give you a lot more eggs if you would feed me right. I need grit and calcium and PEARL GRIT has 'em both. Why not write and get the dope"?

Pearl Grit news tells you how to help hens get more eggs—IT'S FREE. Write today.

PEARL GRIT CORP., Dept. T114 Piqua, Ohio

Send your Rabbits, Cavies, Poultry, Waterfowls, Pigeons, Bantams and Oriental Birds to the

Greater Midwestern States Winter Show

December 12-13-14-15, 1934. Plenty cups, ribbons and specials.

Judge V. S. Reeder, Rabbit Judge. Judge Joe H. Miller, Poultry Judge. Send card for catalog to—Paul H. Adams, Sec., 810 S. James Ave., Freeport, Ill.

MORE FROM YOUR MASHES

IODIZED MASHES Speed Production of Egg Factories

USE Iodized Mashes and speed production of your egg factories, while eggs are worth twice those of summer months. *Iodine makes rich* proteins more digestible and minerals more easily assimilated.

In numerous tests the use of Iodized Mashes has increased egg production from 9 to 19 percent. Mortality rates, too, have been reduced up to 34 percent. Iodine Feeds are therefore both productive and protective.

Buy Iodized Mashes bearing the Iodine Seal of Approval. Then you get the *full value* of the egg-making proteins and minerals, with more eggs, healthier flocks and greater profits. Iodized Feeds and Mashes are recommended by leading nutritional authorities and sold by over 200 feed manufacturers and their many dealers. Mail a postcard for free instruction booklet today and the source of supply near you. The Iodine Educational Bureau, Inc., 120 Broadway, New York City.

IODINE EDUCATIONAL BUREAU · IODINE CONTENT APPROVED · NEW YORK

SEND FOR FREE Booklet

Save Money by Ordering Magazines in Groups

ORDER POULTRY TRIBUNE FOR TWO YEARS, TOGETHER WITH ANY OTHER TWO MAGAZINES LISTED BELOW,

All for $1.30

( )	Everyday Science and Mechanics	1 year
( )	American Home	1 year
( )	Pathfinder, 52 issues, (weekly)	1 year
( )	Mid-Week Pictorial	13 issues
( )	Boys' Life (For Boy Scouts)	1 year
( )	Parents' Magazine	6 months
( )	Shadoplay	1 year
( )	Hunting and Fishing	1 year
( )	Pictorial Review	1 year
( )	Popular Science Monthly	6 months
( )	Sports Afield	1 year
( )	Delineator Magazine	1 year
( )	American Fruit Grower	2 years
( )	American Boy	1 year
( )	Etude Music Magazine	6 months
( )	Breeder's Gazette	2 years
( )	Silver Screen	1 year
( )	Market Growers Journal (Twice a month)	1 year
( )	Household Magazine	2 years
( )	*Hunter-Trader-Trapper*	*6 months*
( )	National Sportsman	1 year
( )	Junior Home Magazine (For Little Folks)	1 year
( )	McCall's Magazine	1 year
( )	American Cookery	6 months
( )	Needlecraft	1 year
( )	Woman's World	2 years

HOW TO ORDER

Clip this ad, or order Club No. F-75; indicate the TWO other magazines you want, and mail to Poultry Tribune with $1.30. If any subscription is a renewal or extension please specify on your order. This offer good in U.S.A. only.

POULTRY TRIBUNE, MOUNT MORRIS, ILL.

SPROUTED OATS

Turns Loafers Into Layers

Successful Grain Sprouter in week's time grows 3 bu. low cost egg making green feed from 1 bu. high priced grain. Write for greatest Fall Combination Offer on Brooder House with suitable Stove. 300 egg Incubator Now only $18.75. Small down payment reserves either for later delivery. Write which interests you most.

DES MOINES INCUBATOR CO.
568 Third St., Des Moines, Iowa

"100 DIRECT SELLING PLANS"

This new book tells how 100 different poultry keepers use 100 different plans for selling eggs and poultry direct to the consumer, thereby securing for themselves all the profits in the business. The plans include roadside marketing, tourist sales, local egg routes, parcel post trade, etc.

Contains over 150 pages in a strong paper cover and will be mailed postpaid on receipt of $1.00.

POULTRY TRIBUNE, MOUNT MORRIS, ILL.

The Grab Bag

This month the editor has picked from among the free booklets offered by advertisers and from the new college bulletins those which he feels are of most interest and help. Want any of them?

Just send a penny postal card to the address given here when the booklet or bulletin is free. The booklet or bulletin listed will then come direct to your home. **Do not send requests for any of these booklets to Poultry Tribune. You must write direct to the address listed.**

● *The Style Book of Slenderizing Fashions*—published free by the world's leading authority on the subject—shows the Stout Woman a smart, thrifty way to be her "slimmer self." Beautifully illustrated and clearly described, these clothes may be ordered by mail, with prompt delivery and complete satisfaction guaranteed. Here's the science of "optical illusion" applied to lines and fabrics by a specialist. *Free.* Address: *Lane Bryant, Dept. 442, 39th St. at 5th Ave., New York City.*

● *The National Housing Act* is described in a 24-page bulletin which tells how the United States government now enables property owners to finance repairs and improvements at low cost. Every poultry raiser whose property needs permanent repairs of any kind should secure this bulletin. Address: *Harry Daniel, Public Relations Dept., Federal Housing Administration, New Post Office Building, Washington, D. C.*

● *Tips to Trappers for 1934-35* is a new *free* 32-page booklet filled with valuable, helpful information for trappers, fur ranchers and rabbit raisers. Contains the money making suggestions of Johnny Muskrat. Gives full details on the Sixth National Fur Show and 394 cash awards plus special Plymouth automobile for careful pelt preparation. Address: *Sears, Roebuck & Co., Dept. 75P241, Chicago, Ill.*

● *Stark World's Fair Fruits* is the title of a new 64-page catalog printed in four colors. All poultry raisers interested in fruit growing should have this new catalog. Contains story of Les Anderson, Illinois farmer who made $2,400 from 122 young trees in a depression year. *Free.* Address: *Stark Bros. Nurseries, Dept. P.T., Louisiana, Mo.*

● *How to Raise Poultry for Profit* is a new book which tells how to get more eggs, save on feed, avoid sickness and losses, raise fat broilers quickly. Explains how to become a poultry expert. *Free.* Address: *National Poultry Institute, Inc., Dept. 213-J, 2005 15th St., N.W., Washington, D.C.*

● *Worms in Poultry* is a new leaflet which tells why it pays to worm the layers and how to do it. Both the flock treatment and the individual method of treatment are discussed. Interesting photographs are included in the leaflet. *Free.* Address: *Dr. Salsbury's Laboratories, Dept. P.T., Charles City, Iowa.*

● *More Winter Eggs by Lighting the Layers* is a new descriptive catalog which tells about a remarkable, 300 candle power white light which can be used to light the layers at one-tenth the cost of electricity. *Free.* Address: *The Akron Lamp Co., 310 Lamp Bldg., Akron, Ohio.*

● *Tractors—of Every Description* are pictured in a new catalog which every tractor user will find interesting. Shows photos of tractors for belt, drawbar and power take-off work. *Free.* Address: *International Harvester Co., Dept. P.T., Chicago, Ill.*

● *Sprouting Grain for More Eggs* is the subject of a new bulletin which tells how chickens may have fall and winter green feed from sprouted grain. *Free.* Address: *Des Moines Incubator Co., 569 Third St., Des Moines, Iowa.*

● *Controlling Chicken Mites, Fowl Ticks and Blue Bugs* is the title of a new leaflet which contains very valuable advice on controlling these parasites. *Free.* Address: *Carbolineum Wood Preserving Co., Dept. 140, Milwaukee, Wis.*

● *Prosperity and Independence in the Hatchery Business* is a new *free*, 16-page booklet which tells how a hatchery business may be built from a small beginning. With an investment as low as $79.50, a breeder can get started in the hatchery business. Address: *The New Madison Incubators, Inc., Dept. P.T., New Madison, Ohio.*

● *How to Sell Your Peat Litter for Fertilizer* is the title of a new booklet which tells how to secure as much as 50c a bushel for screened peat litter fertilizer. Just published. *Free.* Address: *Peat Import Corp., 155 John St., Dept. P.T., New York, N.Y.*

● *Book of the Battery* is a new 48-page booklet which tells how to raise baby chicks in battery brooders, how to make money with broilers, gives helpful information on feeding, tells what the correct temperature should be, and also explains how to keep laying hens in hen batteries. Free. Address: *Globe American Corp., Dept. P.T., Kokomo, Ind.*

"Your sister used to be quite musical, didn't she?"

"Yes. She used to pick the banjo, but she married a poultryman and now—she picks chickens."

Poultry Tribune Patterns . . .

8358. School Girl Frock. Designed in Sizes: 4, 6, 8 and 10 years. Size 6 requires 1¾ yard of 35 inch material with 1/3 yard contrasting.

8321. Slenderizing Model with Smart Pleated Sleeves. Designed in Sizes: 36, 38, 40, 42, 44, 46, 48, 50, 52 and 54. Size 44 requires 4¾ yards of 35 inch fabric.

8364. An attractive Junior Frock. Designed in Sizes: 11, 13, 15, 17 and 19. Size 17 requires 4⅞ yards of 39 inch material plus 1/3 yard contrast.

8172. Smart, Slenderizing Hips. Designed in Sizes: 36, 38, 40, 42, 44, 46, 48, 50 and 52. Size 44 requires 5¼ yards of 39 inch material and 1¼ yard of contrasting. Lining for jacket requires 2½ yards of 35 inch material.

8357. Attractive Blouse. Designed in Sizes: 34, 36, 38, 40, 42 and 44. Size 38 requires 2⅜ yards of 39 inch fabric with 1/3 yard contrasting, and ⅜ yard less for short sleeves.

HOW TO ORDER—To order any of the items shown on this page, write your name and address plainly, give correct number and size wanted. **Enclose 15 cents for each separate pattern ordered,** and address your letter to Pattern Dept., Poultry Tribune, Mount Morris, Ill. Every *Pattern is seam allowing. Patterns will not be exchanged.* It requires about two weeks to fill an order.

THE "SMART MATRON" FASHION BOOK is now ready, the second of our new series. This contains complete assortment of flattering designs in the 36 to 52 size range. Price 10c. The "Co-Ed Book," with designs for the miss of school age, is still available at 10c a copy. Order these books from Pattern Dept., Poultry Tribune, Mount Morris, Ill.

ARE YOU GOING TO MOVE

Any change of address should be reported well in advance **DIRECT** to Poultry Tribune, **NOT** to your postmaster, or to agencies. Magazines will not be delivered or forwarded if incorrectly addressed. Help us keep our mailing list correct.

Poultry Tribune, Mount Morris, Ill.

CLASSIFIED ADVERTISEMENTS

Classified Ad Rates

(Cash with Order)

1 Month .... .25 a word
2 Months .... .45 a word
3 Months .... .65 a word
4 Months .... .85 a word
5 Months ....1.00 a word
Minimum—10 Words

We employ no solicitors or collectors for classified ads. Send your copy and remittance direct to home office, Poultry Tribune, Mount Morris, Ill.

FILL THIS PLEASE:

Your count of ad.................................Words
Figures and initials count as words

Number times to run.................................

Amount enclosed $.................................

What heading shall we insert it under?.................................

Write copy on this order blank, plainly, to insure correctness. Initials and figures count as words. Make a careful count, and remit in full for the time ad is to run, thus avoiding delay in publishing. Please state heading or classification under which ad is to run. Illustrated Classified Ads or ads with larger type, $3.00 per agate line, each insertion, cuts to be furnished by advertiser. **Kindly send two references, a banker and a business acquaintance.** By sending their letters with your copy, you will save delay in inserting your ad. In changing or renewing your ad state under what heading it is inserted.

TO INSURE INSERTION IN OUR DECEMBER ISSUE, COPY MUST REACH US BY NOVEMBER 10

WRITE YOUR ADVERTISEMENT HERE
AND MAIL TO POULTRY TRIBUNE, CLASSIFIED AD DEPARTMENT, MOUNT MORRIS, ILLINOIS

ANCONAS

SPECIAL price on Ancona cockerels now, from State Fair winners. Ralph Harvey, Nodaway, Iowa.

AUSTRALORPS

FINE cockerels for breeding, 335 egg blood; price—$2.00 and up. Lamor Poultry Farm, Coffeyville, Kansas.

AUSTRALORP headquarters. Importers official world champion 353-361-364 egg hens. Cockerels, pullets, chicks, eggs. Prices reasonable. Osborne Farm, Holland, Michigan.

AUSTRALORPS—BLACK

BLACK Australorp cockerels. Osborne strain. Wilmer Gilkerson, Ipava, Illinois.

BABY CHICKS

MASTER Bred S. C. Reds, Barred, Buff, White Rocks, White Wyandottes, Buff Orpingtons, White, Buff Minorcas, White Giants, large type Leghorns, Anconas. Hatching weekly. We pay postage. Get prices and catalog describing livability guarantee. Clover Valley Poultry Farm, Box 41, Ramsey, Indiana.

WRITE *Sterling Hatchery, Box 7, Ramsey*, Indiana, for special baby chick offerings.

C. O. D. ROCKS, Reds, Wyandottes, Brown, White Leghorns, Anconas, heavy mixed—$6.95 per hundred plus postage. Immediate shipments. Mt. Healthy Hatcheries, Mt. Healthy, Ohio.

HI-GRADE better chicks. 10 breeds every week. Glendale Hatchery, Box 21, Milltown, Indiana.

BABY chicks for broilers. We can make prompt shipment of following breeds: Barred, Buff, White Rocks, White Wyandottes, Reds, $8.45—100; New Hampshire Reds—$8.95; White Giants—$9.95; English White Leghorns—$7.95; heavy mixed—$7.50. We pay postage and guarantee chicks for 14 days. All chicks hatched in new electric Smith incubators. Davis Poultry Farm, Route 4, Ramsey, Indiana.

NICHOL'S Master Bred Chicks pay big. *18 profitable varieties. Also standard bred* baby pullets and cockerels. Backed by years of breeding, best blood lines. Large catalog free. Nichol's Poultry Farm, Box D, Monmouth, Ill.

BABY CHICKS. Rocks, Reds, Wyandottes $7.50—100; New Hampshire Reds—$8.50; Leghorns—$7.00; heavy mixed—$6.50. Shipped prepaid, 14 day replacement guarantee. Write for prices. Baby cockerels, baby pullets. Sunshine Hatcheries, Route 3, Corydon, Indiana.

MOTHER Bush baby chicks. Many breeds—$6.30 up C. O. D. Thousands hatching. Also sex guaranteed chicks. Bush Hatchery, Box 130, Clinton, Missouri.

THORNWOOD'S fine blooded chicks cost no more to start, yet insure you highest profit at lowest cost to raise. Now hatching 18 leading breeds in the World's largest incubators. All bloodtested (antigen method). Send for big free Poultry *Book, low prices and special offer.* Thornwood, Box 104, Crandall, Indiana.

ILLINOIS State accredited. Antigen bloodtested chicks; baby pullets and cockerels. Lowest fall prices, 18 popular breeds. Heavy assorted—$6.30 per 100. Lone Elm Hatchery, Nokomis, Illinois.

SALEM'S quality chicks, hatched in Smith all electric machines. We replace at half price all chicks that die first 14 days. Prompt shipment C.O.D. We pay postage. Write for our new *low prices.* Salem Hatchery and Poultry Farm, Box 67, Salem, Indiana.

COOMBS Leghorns. ROP pedigreed chicks, eggs. Reasonable prices. Early order discount. Free catalog. Coombs Poultry Farm, Box 612, Sedgwick, Kansas.

LOOK. Baby chicks. Finest quality, every week all year. Also laying pullets, mature breeders, eggs for hatching. Price *right. Catalog free. Nabob Hatcheries,* Box 37, Gambier, Ohio.

AUSTRALORPS—$1.25; Rocks, Reds chicks—$6.25. Victor Frey, York, Penn.

DUBOIS County chicks. Barred, Buff, White Rocks, White, Silver Laced Wyandottes, Buff Orpingtons, Rhode Island Reds, White Rhode Island, New Hampshire Reds—$7.40; White, Black Giants, Light Brahmas—$9.00; Buff, White *Minorcas—$7.65;* White Leghorns (English strain) Anconas—$6.50; heavy mixed—$6.30. Chicks hatched in electric Smiths. Prepaid. Dubois County Hatchery, Box 540, Huntingburg, Indiana.

WAYNE chicks hatching weekly. All *leading varieties—$6.30 up.* Also hybrid day old pullets, cockerels. Wayne Hatchery, Wayne City, Illinois.

BOOTH'S famous chicks, fall delivery. *Prompt service. White Leghorns, Reds,* Barred Rocks, White Wyandottes, Buff Orpingtons, 100—$6.90 postpaid; special grade—$7.90. Free catalog. Booth Farms, Box 922, Clinton, Missouri.

MASSANUTTEN Baby Chicks, Virginia certified pullorum tested. Rocks, Reds, Leghorns. Hatches every week. Massanutten Hatchery, Box 4560, Harrisonburg, Virginia.

SEXED CHICKS

NICHOL'S Sex Sorted Chicks. We offer you this new service at a low cost. You can choose any of the 18 breeds we hatch and have the pullets and cockerels separated by our experts who have certificates from Sprunger's school and from Chick Sexing Association of the United States. Write for big 64-page catalog that gives all the facts and prices. Nichol's Poultry Farm, Box F, Monmouth, Ill.

BANTAMS

BANTAMS. White Polish, Golden Sebrights, White Booted. Annie Kinter, Dillsburg, Penn.

BANTAMS—55 varieties. F. C. Wilbert, Grand Rapids, Michigan.

30 POPULAR varieties. Murray McMurray, Box 8, Webster City, Iowa.

STAMP brings fifty variety catalog. Fielder Fowl Farm, Gainesville, Texas.

ALL BREEDS of Cochins. A. Kuchemann, Galena, Illinois.

BRAHMAS

NICHOL'S Master Bred Brahmas. Mammoth type. Good layers. Beautifully marked. Large catalog free. Nichol's Poultry Farm, Box D, *Monmouth, Ill.*

BRAHMAS—LIGHT

LIGHT Brahmas. Cockerels, pullets. Mrs. Geo. Larson, Harlan, Iowa.

NICHOL'S Famous Light Brahmas. Giant stock, hardy, easy to raise. Lay in zero weather. Chicks, eggs and sex sorted chicks. Catalog free. Nichol's Poultry Farm, Box E, Monmouth, Ill.

HANKINS' famous Light Brahmas. Pullets, cokerels, old stock. Free catalog. W. H. Hankins, Strafford, Missouri.

COCHINS

PARTRIDGE Cochins. Mammoth stock for sale. Prize winners. Rev. Anderson, Anita, Iowa.

CORNISH—DARK

DARK Cornish exhibition, breeding stock. Templeton, Route 1-110, Santa Clara, Calif.

MOHAWK Dark Cornish. Hens. Massive, broad, low. *Frank Willis, 737 E.* Burnett, Louisville, Ky.

GAMES—PIT

FIGHTING COCKS. Young 1934 trios $10.00. Circular free. S. M. White, Keytesville, Mo.

DUCKS & GEESE

17 VARIETIES Waterfowl. Reasonable prices. Murray McMurray, Box 7, Webster City, Iowa.

DUCKS

CLOSING out sale. Wild Mallards. Write. Goshen Poultry Farms, Goshen, Indiana.

PUREBRED White Muscovys. Ducks, drakes, eggs. Brookside Poultry Farms, *Richmondville, N.Y.*

GEESE

CHINA Geese, White Muscovies, White Guineas. Guaranteed quality. J. F. Fetter, Coldwater, Ohio.

JERSEY WHITE GIANTS

BUY NEXT year's chicks now. Save money, big discounts. Highest quality Illinois Department Agriculture Accredited and pullorum tested (U.S. stained Antigen method) Marcy Farm strain Jersey Giants (White and Black) Permit 197. Sex-guaranteed day-old cockerels; day-old pullets. Beautiful young growing cockerels, pullets, trios, pens. Bargains. Compliance Certificate 2097. Descriptive literature. The Maples, Box 1830, Pittsfield, Illinois.

BEST laying pullets, pairs, trios, pens. Thomas Farms, Pleasanton, Kansas.

JERSEY White Giant pullets. Good quality. Write. Goshen Poultry Farms, Goshen, Indiana.

JERSEY White Giants—$2.50. Ike Boerema, Sheldon, Iowa.

JERSEY GIANTS

MARCY Farms Black and White Giant cockerels. Blood lines that will improve any Giants in America. Buy direct from Marcy Farms, Matawan, New Jersey.

HAMBURGS

SILVER Spangled Hamburg cockerels, pullets. Mrs. Geo. Larson, Harlan, Iowa.

SILVER Spangled Hamburgs—$2.00 each. H. Dishman, Corona, New Mexico.

LAMONAS

LAMONA pullets, cockerels, chicks, eggs. Prices reasonable. Osborne Farm, Holland, Michigan.

LANGSHANS—WHITE

NICHOL'S Master Bred White Langshans. Mammoth size. Pure white. Healthy layers. Chicks, eggs. Catalog free. Nichol's Poultry Farm, Box D, Monmouth, Ill.

NICHOL'S Famous White Langshans. Real type, massive. Pure white, winter layers. Chicks, eggs and sex sorted chicks. Catalog free. Nichol's Poultry Farm, Box E, Monmouth, Ill.

LEGHORNS—BROWN

NICHOL'S Master Bred Brown Leghorns. Splendid layers; large eggs. Sex sorted. Catalog free. Nichol's Poultry Farm, Box D, Monmouth, Ill.

BROWN and White Leghorns (both combs) Australorps, Barred Rocks; Quilts. Verna Fulton, Gallipolis, Ohio.

LEGHORNS—S. C. WHITE

NICHOL'S Famous White Leghorns. Pedigree sired. Big type; larger whiter eggs. All yearling hens, already trap nested one year, on our own farm. We kept the cream for this mating. Chicks, eggs, cockerels and sex sorted chicks. Large catalog free. Nichol's Poultry Farm, Box E, Monmouth, Ill.

PULLETS, hens—39c up. Bargains in production bred English Leghorns. Live delivery guaranteed. Mating list free. Lemmen's Leghorn Farm, Holland, Mich.

HIGH production Single Comb White Leghorn cockerels, pure Tom Cochran 30 ounce egg strain for sale. Pebbly Brook Farm, Box 391, Libertyville, Illinois.

R.O.P. PEDIGREED Barred and White Rock cockerels. Pinecroft Poultry Farm, Owosso, Michigan.

IOWA R.O.P. cockerels, reasonably priced. Reynolds Leghorn Farm, Doon, Iowa.

ROSELAWN *strain S.C. White Leghorns* bred to produce commercially profitable big white premium eggs, by America's largest importers of Tom Barron big type English Leghorns. No price advance for 1935. Write for new Roselawn catalog before ordering your chicks and hatching eggs. Roselawn Poultry Farm, Route 10-A, Dayton, Ohio. Certificate No. 213.

321 RECORD double pedigreed Tancreds. Mrs. Jim Klink, Huntsville, Missouri.

TANCRED 300 eggers. Cockerels, hens, pullets—$1.00. Rosevale Ranchlet, New Liberty, Illinois.

NICHOL'S Master Bred White Leghorns. Exhibition and production bred stock. Trap nested; pedigree sired. Healthy; lay big eggs. Chicks, eggs. Also sex sorted chicks. Large catalog free. Nichol's Poultry Farm, Box D, Monmouth, Ill.

CHICKS. Yearling Leghorn hens. Rock pullets. Special discounts. VanRaalte *Poultry Farm, Holland, Michigan.*

HANSON'S Leghorns from breeders pedigreed over 300 eggs. Cockerels—$2.00. Theo. Jeschke, 2712 Walnut, St. Joseph, Missouri.

LARGE, healthy, range-grown pullets. Victor Corrigan, Cornell, Illinois.

1500 BARRON White Leghorn pullets five month old. Bishops Poultry Farm, New Washington, Ohio.

LARGE *English Leghorn* cockerels direct from Gasson's special mating—$1.25. Mrs. Idabelle Augspurger, Gibson City, Illinois.

LEGHORNS—BUFF

OUR Buff Leghorns are wonderful layers of big white eggs. 300 pullets from trapnest stock. Prices reasonable. Sauer's Poultry Farm, Route 4, Dayton, Ohio.

MINORCAS

NICHOL'S Master Bred Minorcas. White or black. Exhibition and production stock. Produce very large eggs. Chicks, eggs. Catalog free. Nichol's Poultry Farm, Box D, Monmouth, Ill.

MINORCAS—BLACK

MINORCA and Ancona cockerels, pullets—$1.00. Marshall Page, Berlin, Maryland.

FREE colored literature describes Pape Mammoth Black Minorcas; America's greatest producers premium white eggs, delicious meat. Charles Pape, Fort Wayne, Indiana.

MINORCAS—WHITE

4,000 EXTRA choice White Minorca pullets. Also breeding cockerels. Write for prices. Goshen Poultry Farms, Goshen, Indiana.

400,000

poultrymen receive Poultry Tribune each month. A classified ad may reach all of these people for as low as $2.50. A penny card mailed to 400,000 would cost over $4,000.00. Use Poultry Tribune classified ads—economical and profitable.—*Class. Ad. Jim.*

MINORCAS—BUFF

SCHMIDT'S Buff Minorcas. Fine selection of breeding stock at fall prices. Edw. Schmidt, Thorntown, Indiana.

ORPINGTONS—BUFF

FINE Buff Orpington pullets. Exhibition quality—$1.25. Mrs. C. H. Schmidt, Adrian, Missouri.

NICHOL'S Master Bred Buff Orpingtons. Exhibition and production bred stock. Real buff, big type. Chicks, eggs. Catalog free. Nichol's Poultry Farm, Box D, Monmouth, Ill.

NICHOL'S Famous Buff Orpingtons. Big type. Records up to 280 eggs made by customers. *Healthy, beautiful. Chicks,* eggs and sex sorted chicks. Catalog free. Nichol's Poultry Farm, Box E, Monmouth, Ill.

COCKERELS. Buff Orpington, also cocks—$1.00 each. Purebreds. Dora Welch, Correctionville, Iowa.

LARGE massive cockerels. America's finest line of "Stay Buff" Orpingtons. Blue Ribbon quality—$5.00. Guaranteed. 20 years a Fancier. H. L. Carlberg, Aurelia, Iowa.

BYERS Big Golden Buffs, New York-*Chicago champions. Exhibition* and breeding birds ready. C. S. Byers, Hazelrigg, Indiana.

ORPINGTONS—WHITE

NICHOL'S Master Bred White Orpingtons. Record layers. Big type. Crystal white. Healthy. Chicks, eggs. Catalog free. Nichol's Poultry Farm, Box D, Monmouth, Ill.

PHEASANTS

PHEASANTS. Many varieties. Hungarians, Mallards. Springborn's Game Farm, 2861 N. 27th St., Milwaukee, Wis.

RINGNECK, Mongolian, Mutants, Golden, Amherst, others. Geo. Konrad, Richfield, Wisconsin.

PLYMOUTH ROCKS—BARRED

CHOICE narrow Barred, Dark Barred Rocks, cockerels. George Franklin, Minden, Nebr.

NICHOL'S Famous Barred Rocks. Beautifully barred. Big type, healthy layers. Chicks, eggs and sex sorted chicks. Catalog free. Nichol's Poultry Farm, Box E, Monmouth, Ill.

MOST beautiful catalog Barred Rocks *only ten cents. Holterman, Fancier, Fort* Wayne, Indiana.

NICHOL'S Master Bred Barred Rocks. Dark matings. Barred deeply, distinctively. *Outstanding producers. Healthy. Chicks,* eggs. Catalog free. Nichol's Poultry Farm, Box D, Monmouth, Ill.

PLYMOUTH ROCKS—BUFF

NICHOL'S Master Bred Buff Rocks. Real buff plumage. Great layers. Mammoth type. Healthy. We specialize in this breed and recommend them as one of America's most profitable breeds. Chicks, eggs. Fine catalog free. Nichol's Poultry Farm, Box D, Monmouth, Ill.

NICHOL'S Famous Buff Rocks. Beautiful, large buff birds, lay exceptionally well all winter. We specialize in this healthy profit making variety. Chicks, eggs and sex sorted baby chicks. Fine catalog free. Nichol's Poul. Farm, Box E, Monmouth, Ill.

PLYMOUTH ROCKS—PARTRIDGE

EXHIBITION cockerels, pullets—$1.50, worth $5.00. Howard Hompe, Deer Creek, Minn.

PLYMOUTH ROCKS—WHITE

NICHOL'S *Master Bred White Rocks.* Large, healthy record layers. Chicks, eggs. Catalog free. Nichol's Poultry Farm, Box D, Monmouth, Ill.

MATURE White Rock *cockerels from 200* egg hens. Our pens won three firsts in contests this year. A. H. Ward, Independence, Iowa.

Packwaukee, Wis., August 27, 1934.

Poultry Tribune, Mount Morris, Ill.

Sometime ago you asked for news items, so here is one that might interest you. I have an order for 50 Ancona Pullets from Mrs. Montville, Aruba, Dutch West Indies, to be shipped as soon as they are over their vaccination for pox. Yours truly, —MRS. EUGENE HERMAN, Director United Ancona Club.

AN ORDER **from the far off Dutch West Indies. Yes, people all over the world are buying breeding stock, hatching eggs, etc. Use Poultry Tribune classified ads and get your share of business—only 25c a word—400,000 circulation. Ads for December should reach us by Nov. 10.**

THOMPSON'S White Rocks, one of the most profitable breeds of poultry in the world. Stock, eggs and chicks. J. T. Thompson, Hope, Indiana.

NICHOL'S Famous White Rocks. Praised by thousands. We *supply healthy, large* type layers. Chicks, eggs and sex sorted chicks. Catalog free. Nichol's Poultry Farm, Box E, Monmouth, Ill.

COCKERELS. Holtzapple's White Rocks, Hanson's White Leghorns, Mahood's Red's, Indian Runner Drakes. Albert Bernhardt, Mt. Healthy, Ohio.

RHODE ISLAND REDS

NICHOL'S Master Bred Rose Comb Reds. Rich red plumage. Big type. Healthy layers. Chicks, eggs. Catalog free. Nichol's *Poultry Farm, Box D, Monmouth, Ill.*

NICHOL'S Famous Reds. Single or rose comb. Real winter layers. We have selected for deep red for over 15 years. *Chicks, eggs and sex sorted chicks.* Catalog free. Nichol's Poultry Farm, Box E, Monmouth, Ill.

PEDIGREED Rhode Island Red breeding cockerels and pullets whose dam laid over 280 eggs. Sire's dam over 300 eggs. Charles Kramer, 196 Dailey Road, Brentwood, Penn.

NICHOL'S Master Bred Single Comb Reds. Beautiful dark red plumage. Healthy; heavy layers. Chicks, eggs. Catalog free. Nichol's Poultry Farm, Box D, Monmouth, Ill.

TURKEYS—BRONZE

AMERICAN Turkey Journal, Grand Forks, North Dakota, exclusive turkey *monthly, one year*—50c, two years—$1.00, sample 10c.

HIGH quality Mammoth Bronze breeding stock. Special November sale. Nason's Poultry Farm, Selma, Iowa.

SACRIFICE drouth sale. 1 Tom, 10 hens—$39.50; 40 hens, 4 Toms—$155.00, 120 egg record. Mary Klink, Huntsville, Missouri.

TURKEYS—BOURBON RED

PUREBRED Bourbon Red Turkeys—$10.00 trio. November sale. J. W. Upchurch, Gordo, Alabama.

TURKEYS—WILD

SPECIAL prices for November only on pure blooded Wild Turkeys. Wes-Ann Ranche, Box 63, DeSmet, South Dakota.

TURKEYS—NARRAGANSETT

FAMOUS Silver-clad Narragansetts, splendid breeders. Mrs. Denny Johnson, Fayette, Missouri.

TURKEY MAGAZINE

TURKEY WORLD. Oldest, biggest and best magazine devoted exclusively to turkey raising. Articles on breeding, raising, *exhibiting, marketing, disease control, etc.* Subscription, $1.00 a year in U.S.A.; $1.50 in Canada and foreign. Turkey World, Mount Morris, Illinois.

TURKEYS—SEVERAL VARIETIES

BRONZE, White Holland, Narragansett, Bourbon Red, Black, Slate. Purebred. Pollock Turkey Ranch, Delphos, Ohio.

WYANDOTTES—GOLDEN

FOR GOLDEN Wyandottes, the world's finest strain, write John W. Faber, Okawville, Illinois.

WYANDOTTES—SILVER LACED

NICHOL'S Famous Silver Laced Wyandottes. Chas. Swan, Michigan, won blue *ribbons in five Fairs with our stock, in*cluding Michigan State Fair. Production bred, healthy. Chicks, eggs and sex sorted chicks. Catalog free. Nichol's Poultry Farm, Box E, Monmouth, Ill.

NICHOL'S Master Bred Silver Laced Wyandottes. A beautiful breed. Healthy and real winter layers. Chicks, eggs. Catalog free. Nichol's Poultry Farm, Box D, *Monmouth, Ill.*

WYANDOTTES—WHITE

NICHOL'S Famous White Wyandottes. *Big stock, lay well and are healthy. Chicks, eggs and sex sorted chicks. Catalog free.* Nichol's Poultry Farm, Box E, Monmouth, Ill.

MARTIN *strain cockerels* $3.00 *each.* Ethel C. Teeter, Geneva, Ind.

NICHOL'S Master Bred White Wyandottes. Very heavy layers. Beautiful white plumage. Healthy. Chicks, eggs. Catalog free. Nichol's Poultry Farm, Box D, Monmouth, Ill.

PULLETS

HYBRID pullets are moneymakers. Healthier, larger and better for eggs than Leghorns. Send us your name. We want to tell you about these wonderful birds. *Parkin Hatchery, Box 65, Shawnee, Oklahoma.*

PULLETS, ready to lay. Priced reasonable. Big type Barron White Leghorn cockerels. Shipped on approval. Central Farm Hatchery, Zeeland, Michigan.

COCKERELS

COCKERELS, S.C.W.L. from R.O.P. pedigree and trapnested, certified matings. March, April and May hatched. Hartwick Hatchery, Inc., Hartwick, New York.

BREEDING cockerels. Jersey White Giants, Barred and White Rocks, Reds. Excellent production stock. Priced reasonable. Central Farm Hatchery, Zeeland, Michigan.

DOGS

RAT TERRIER puppies. Bred for ratters. Satisfaction guaranteed. Cru*saders Kennels, Stafford, Kans.*

BEAUTIFUL registerable collies. Pups—$11.00. Rosevale Ranchlet, New Liberty, Illinois.

ST. BERNARD puppies, beautiful Christmas gifts. Paramount Kennels, 5345T McKenna, Montreal, Canada.

PIGEONS

HOMERS—75c; Kings—$1.50 pair. Irving Bailey, Route 2, Farmington, Michigan.

WHITE King breeding stock—$1.50 per pair. White King Poultry Farms, Bettendorf, Iowa.

RABBITS

RAISE rabbits for us. We supply stock and buy what you raise paying you highest prices. Established 20 years. Rabbit book, *catalog and monthly market bulletin show*ing prices we pay our breeders, 10c. Address *Outdoor Enterprise Co. Inc., Box 53,* Holmes Park, Missouri.

STANDARD Rabbit Journal, Milton, Penn, 6 months—25c. Sample dime.

RABBIT HUTCH—Sanitary, odorless and self cleaning. Will enable you to care for your stock quickly and thoroughly. Build it yourself. Simple blue print plans and specifications, $1.00. Poultry Tribune, Mount Morris, Ill.

RABBIT SKINS

WE BUY domestic rabbit skins, angora wool. Long Island Farm Prod., Rosedale, New York.

FERRETS

2,000 FERRETS. They will clear your place of rats and drive rabbits from burrows. Send for book on care and working. Free. Levi Farnsworth, New London, Ohio.

POULTRY CUTS

CATALOG. 32 pages—10c. Harry Myers, 421 Printcraft, Indianapolis, Indiana.

NOSE-FLY BOTS

A SUR-SHOT Bot and Worm capsules, for horses. Literature free. Agents wanted. Fairview Chemical Co., Humboldt, S. Dak.

BATTERY BROODERS

OUR INEXPENSIVE, homemade brooders, hovers require 70° room, no supplementary heat. 100 broilers weekly. We make growing batteries. Circulars free. Albert Hardy, Route 4, Dixon, Illinois.

WE HAVE a limited number of Battery Brooders which have been used a short time in our experimental plant. They all have been reconditioned and carry the same guarantee as new. Priced extremely low. Write today. Brower Manufacturing *Company, Dept. M5, Quincy, Illinois.*

INCUBATORS FOR SALE

INCUBATOR FOR SALE. Newtown in excellent condition. Our offer will surprise you. Emma D. Kintner, R. P. Corydon, Indiana.

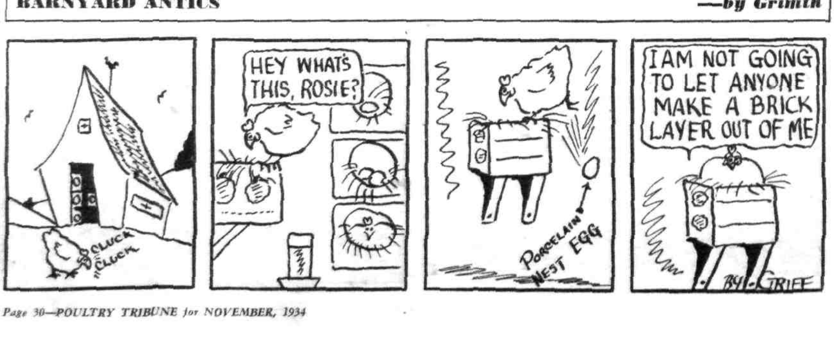
BUY USED incubators from Buckeye. Real bargains in machines from 2,000 to 52,000 egg capacity. Oil and electric models available. At lowest-in-history prices, they are selling fast. You know what you get and save money buying from Buckeye. The Buckeye Incubator Company, Box 754, Springfield, Ohio.

DEPENDABLE USED INCUBATORS

All standard makes. 10,000 egg capacity and up. Extremely low prices. Most liberal terms—two and three years to pay. Every machine has been cleaned—fumigated—varnished and crated by a regular Smith service man. All broken or damaged parts replaced. Free insurance during first year. Write today—you will save money.

THE SMITH INCUBATOR Co. 3308-P W. 121st St., Cleveland, O.

BARNYARD ANTICS —*by Griffith*



POULTRY SUPPLIES

WRITE for Brower's new big poultry supply catalog and guide, showing largest line of poultry equipment and remedies in the world—over 425 items—at low prices. Brower Mfg. Co., Dept. M11, Quincy, Ill.

NEW EGG stamping device puts clean, distinct stamp on every egg. Write Box 155, New Orleans.

BONE CUTTERS

LOTS OF eggs by feeding fresh-cut market bones, *cut in a Mann Bone Cutter.* Sent on trial. Catalog free. F. W. Mann Company, Box 14, Milford, Mass.

POULTRY REMEDIES

NEW DISCOVERY cures roup, colds, pox, canker, 50c postpaid. Avenue Poultry Farm, Perrysburg, Ohio.

POULTRY BOOKS

FREE: Brower's new 50c Poultry Doctor Book explains the cure and prevention of some 100 poultry diseases. Free on request. Brower Mfg. Co., Box M10, Quincy, Illinois.

Breeding & Culling by Head Points	$ .75
Poultry Record Book	.50
Practical Poultry Houses	.75
Poultry Disease Manual	.75
Turkeys	.50

Special: Any two books for $1.00; all five for $2.00. Poultry Tribune, Desk 297, Mount Morris, Illinois.

COLORED POULTRY PICTURES

Set of over 60 pictures in NATURAL COLORS, 11x8 inches, suitable for framing, painted by A. P. A. poultry judges. This series shows six varieties of Rocks, four of Leghorns, six of Wyandottes, seven of waterfowl, four of turkeys, etc. The finest set of poultry pictures ever produced. Price $3.00 per set. Single pictures may be purchased at 10 cents each or three (assorted) for 25c. Order from Poultry Tribune, Mount Morris, Ill.

PRINTING

ENVELOPES, Letterheads, Cards, Tags, Folders. Economical. T. Burns, Salem, Illinois.

PRINTING for poultrymen. Catalog on request. Model Printing Co., Manchester, Iowa.

TOBACCO

TOBACCO postpaid guaranteed very best two years old mellow leaf chewing. 5 pounds—$1.15; 10—$1.90. Very best smoking, 5—90c, 10—$1.50. Mark Hamlin, Sharon, Tenn.

SAVE on your tobacco. Buy direct from our factory "Kentucky Pride" manufactured chewing, 30 big twists, sweet or natural, $1.00. 30 full size sacks smoking, extra mild or natural, $1.00. 24 full size sweet plugs, $1.00. Satisfaction guaranteed. Murray Tobacco Co., Murray, Ky.

MILD and mellow chewing tobacco, 10 pounds—$1.00; smoking, 10—90c. T. L. Smith, Gleason, Tenn.

"GOLDEN Heart," Tennessee's finest, extra mild, mellow leaf. 5 pounds smoking or chewing—$1.00. Free with order, valuable book on "How to Manufacture at Home Finest Chewing-Smoking." Also special flavoring and box of twists free. Golden *Heart Tobacco Farms, Paris, Tenn.*

TOBACCO postpaid. Real chewing, mellow in bulk, red leaf air cured or Burly 10 pounds—$1.35; smoking—$1.15. S. Hamlin, Gleason, Tenn.

Warning:

Don't think for a minute that Poultry Tribune classified advertising doesn't pay —watch how shrewd advertisers come back month after month, yes even year after year. There's a reason—RESULTS.—*Class. Ad. Jim.*

FILMS DEVELOPED

COLORED enlargement with each film developed—a professional enlargement painted in oils and eight gloss-tone prints. DeLuxe finish guaranteed not to fade. 25c. Super quality, speedy service, satisfaction or money refunded. LaCrosse Film Company, LaCrosse, Wis.

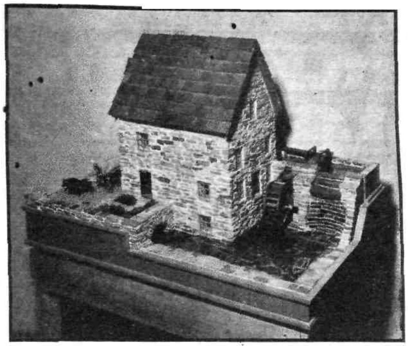
FILM developed, any size 25c coin including two enlargements. Century Photo Service, Box 829, LaCrosse, Wisconsin.

ROLLS developed. Two beautiful double weight professional enlargements and eight guaranteed Never Fade Perfect Tone prints, 25c coin. Ray's Photo Service, LaCrosse, Wisconsin.

FILM developed and 16 guaranteed prints, 116 size or smaller, 25c coin. Smart Photo, Winona, Minnesota.

FILMS developed 10c per roll. Prints 5c each. Enlargements 5x7—35c; 8x10—50c. James W. Petersen, 6307 Holbrook St., Chicago, Ill.

ROLL developed, 8 prints, Oil painted enlargement, 25c. Prompt service. Work guaranteed. Individual attention to each picture. Janesville Film Service, C55, Janesville, Wisconsin.



Eshelman Business Dates Back to Wm. Penn

This picture shows a miniature mill, which is a replica of the original grist mill operated by John Eshelman, founder of the present commercial feed business known as John W. Eshelman & Sons. In 1717, William Penn signed a grant for the land upon which this building was erected; in the course of time the building became the home of the original Eshelman mill. The unique replica was made by Lester H. Coate of the Circleville, Ohio, plant of the present company.

HELP WANTED

MAN WANTED. Manufacturer established 45 years will finance responsible man with complete stock of guaranteed food, farm and household necessities—you pay when sold. Mighty attractive proposition. Good living right from start with steady increase for industrious man. Big value combination deals and fast-selling specials now in effect. B. M. Anderson just sold over $330, O. W. Jack over $308 in one week. Pleasant outdoor work. Experience unnecessary. No slack seasons or layoffs. Write today for No-Investment offer. McCormon & Company, Dept. 56LS, Winona, Minnesota.

WANTED: Farmers age 18 to 50, qualify for eligibility test for steady government jobs, commence $105-$175 month. Write today for valuable free information. Instruction Bureau, 623, St. Louis, Mo.

WANTED: Names men, women, 18—50, wishing Government jobs. $105.00-$175.00 month. Several fall examinations expected. List positions, sample tests, free. Franklin Institute, Dept. K81, Rochester, New York.

EARN quick cash raising Mushrooms in cellar, shed, attic. We buy crops. Guaranteed materials furnished. Easy, odorless method. Book free. United, 3848-BF Lincoln Ave., Chicago.

IF YOU want a wonderful opportunity to make $15.00 a day and get a new Ford Sedan as bonus besides, send me your name immediately. No contest or lottery. Particulars free. Albert Mills, 4675 Monmouth, Cincinnati, Ohio.

POSITION WANTED

EXPERIENCED poultryman. Hector McAllister, 762 Locust St., Pontiac, Illinois.

POULTRYMAN experienced all branches. Good. References. Box HW, Poultry Tribune, Mount Morris, Illinois.

AGENTS WANTED

$2.00 IN AN HOUR with amazing invention. Mends cloth quickly without needle and thread. Mends don't show. Washes, boils, irons. Free sample. Sew-No-More, Dept. C-950, Cincinnati, Ohio

BIG MONEY treating and vaccinating for worms and poultry diseases. Representatives wanted. Beebe Laboratories, St. Paul, Minnesota.

OLD MONEY, GOLD WANTED

WE BUY Lincoln head pennies. Will pay up to $2.00 each if over ten years old. Indian head pennies worth up to $51.00 each. Send 10c for buying catalog. Continental Coin Co., Inc., HJ-111, W. Jackson, Chicago.

SEND US old gold teeth, crowns, bridges, jewelry. Highest prices. Satisfaction guaranteed or shipment returned. Licensed. Dr. Weisberg's Gold Refining Co., 1574 Hennepin, Minneapolis, Minnesota.

WANTED: Old money, stamps. List 20c. Box 483, V. Kellermann, Sturgis, So. Dakota.

PATENTS

PATENTS. Reasonable terms. Book and advice free. L. F. Randolph, Dept. 589, Washington, D. C.

BUILDING MATERIALS—USED

WRECKING large portion International Harvester "Deering" plant. Save 50% on farm building lumber. Write Mr. Pine today, Globe Wrecking Company, 1734 Fullerton, Chicago.

INVENTIONS

NEW IDEAS now salable before patenting. What have you? Chartered Institute, 506A Barrister Bldg., Washington, D.C.

AUTO SUPPLIES

AUTOMOBILE supplies. Radios. Bankrupt stocks. World's lowest prices. Reconditioned AC Spark plugs 29c; hot water auto heaters—$3.98. House radios—$12.85. Paint—95c gallon. Seat covers—98c. 1,000 Bargains. Free bulletin. Standard Liquidators, 1361-Y Gratiot, Detroit.

QUILT PIECES

QUILT pieces. Big, fast color prints, 100, 20c; 200, 35c. Postpaid. Remnant Mart, Centralia, Illinois.

RADIOS FOR SALE

3-TUBE battery radio. No cost sample. 20th Century Co., B-2392, Kansas City, Missouri.

WANTED TO BUY

WEEDS, roots, barks, bought for cash by large firms. Season now starting. Particulars free. Continental Agency, Box 1081J, Birmingham, Alabama.

FARM LANDS FOR SALE

INCREASE your poultry returns. 5 to 20 acre improved Washington farms—$1200 to $5000; unimproved lower. Terms. Year round mild climate, eggs bring premium. Literature, impartial advice. J. W. Haw, 124 Northern Pacific Railway, St. Paul, Minn.

CHICK SEXERS WANTED

WANTED: Five chick sexers capable handling minimum 250 per hour upward, 85% accuracy. Give age, nationality, training, experience and remuneration expected. Box NL, Poultry Tribune, Mount Morris, Illinois.

EVERGREENS

FIFTY evergreens one dollar. Eight inches. Luther Creasy, Catawissa, Penn.

POULTRY SHOW NEWS

WRITE Fred Otte, Peekskill, N.Y., for premium list covering the great New York City Poultry Show.

FORMULA

WINES and Cordials. How to make them at small cost. 50 recipes. Particulars for stamp. Otto Rolli, A-310 W. Tuscarawas, Canton, Ohio.

MARKETING PLANS

NEW BOOK, "100 Proven Direct Selling Plans for Eggs and Poultry" is a collection of marketing ideas that have been actually tested out and proven to be successful. Tells how to sell direct to hotels, restaurants, hospitals, tourists, by egg routes, etc. A 160 page book illustrated, paper binding, price $1.00. Poultry Tribune, Mount Morris, Illinois.

Anything may be sold by classified ads. If there is not a suitable heading for YOUR ad, we'll make one that is.

PRODUCTS bearing this stamp have been Approved After Test at Poultry Tribune Experimental Farm. A list of approved products may be secured from Poultry Tribune for a three-cent stamp.

Where to Buy---

Practically everything that the poultryman needs is advertised in this issue of **Poultry Tribune.** If you wish to send for catalogs about the various products, and no coupons are available in the ads of the advertisers, use the coupons provided here. **Each coupon must be mailed direct to the manufacturer** from whom you wish a catalog or information. You can save postage by pasting the coupon on a government post card. **Don't send coupons to Poultry Tribune.**

Name of
Advertiser ....

Send information advertised in Poultry Tribune.

My Name..

Street or
R. F. D..

Post Office..

State ....

Name of
Advertiser ....

Send information advertised in Poultry Tribune.

My Name..

Street or
R. F. D..

Post Office..

State ....

Begin

to enjoy real advertising value by using Poultry Tribune classified ads. The rates are low—the returns are high. Ads for December must reach us by November 10.—*Class. Ad. Jim.*

Subscribe to Poultry Tribune

POULTRY TRIBUNE, Mount Morris, Ill.
I enclose remittance for subscription checked below:

☐ 25 cents for One Year (12 issues)
☐ $1.00 for Five Years (60 issues)

Canada and Foreign—$1.00 a year

Name..
Street or R. F. D...
Post Office..
State..

Answer Quick! Get the Opportunity to . . .

Win $2,250.00

or Buick Sedan and $1,250.00 Cash!

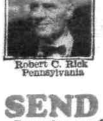
Here's a lot of cash for someone. Would you like to have it? We are going to pay over **$5,000.00 in big cash prizes.** Can you find ten of the hidden faces in the picture? Look sharply and mark the faces you find. Then fill in the coupon, mail quick, and **you will receive opportunity to win as much as $2,250.00.** Some one, maybe you, will receive a new Buick Sedan and if prompt, $1,250.00 cash extra or, if all cash is preferred, $2,250.00.

Surely you would like to have this magnificent prize. Think what you could do with all this money at one time. It would come in pretty handy right now, wouldn't it? **We want people everywhere to have the opportunity to share in this great distribution of money.** This is our unique way of advertising. Besides the First Grand Prize of **$2,250.00** including promptness, there are 100 other big, grand prizes. The Second Grand Prize is a DeLuxe Chevrolet Master 6 Sedan or **$750.00** cash. Third Grand Prize is DeLuxe Ford V-8 Sedan or **$600.00** cash. Fourth Grand Prize is **$150.00** cash and many others. Thousands of dollars in special cash rewards. **Mail your answer on the coupon today.**

Send No Money — Just Mail Coupon

Sophie A. Griesser
Pennsylvania

Georgia A. Johns
Georgia



Robert C. Rick
Pennsylvania

Study the picture of the country road and see if you can find ten of the hidden faces. Sharp eyes may find them. Some of them look straight at you, some are upside down, others are sidewise. Look for them in the *clouds, tree, around the dog's legs, in the bushes, etc. It* is not as easy as some people may think. Dont give up —keep looking and you may find them. **Mark the faces you find and send to me quick with the coupon.**

Proof That Prizes are Paid

Thousands of dollars have already been awarded to many happy prize winners by Paramount Products, Inc. Mrs. Sophie Griesser, of Penn. won **$4,910;** Mrs. Georgia A. Johns, of Georgia won **$1,987.50;** G. Giebink, of Michigan, won **$975.00** and Edna Mahoney, of Illinois, won **$500.00.** Scores of others have won big cash prizes.

And, now thousands of dollars more, to be paid to prize winners. Think of it! If first prize winner (and prompt) **you will get $2,250.00 all cash** or if you prefer, Buick 8 Sedan and $1,250.00 cash.

This company is reliable. We belong to the Chamber of Commerce of Des Moines. We bank at one of the largest banks in the state of Iowa—the Central National Bank. The money to pay all of the prizes is already on **special deposit** for that purpose. When you send in the coupon we will send you a picture of prize checks recently cashed by many happy winners.

You cannot lose anything. Send in this coupon and we will give you the opportunity to win the $2,250.00 First Grand Prize. Don't put it off until tomorrow. It may be too late. **Do it today—Right Now!**

SEND ANSWER QUICK

Remember, **send not one penny** with your answer. **All you do now is to find ten faces** if you can and mail the coupon. Send answer right away.

PRIZE MONEY NOW IN BANK

The money to pay every prize is on deposit in the **big, strong Des Moines bank.** Three prominent Des Moines businessmen will see that the prizes are awarded honestly and promptly. Get your share of the $5,000.00 in cash prizes, besides thousands of dollars in special cash rewards. Over 100 prizes in all.

Hurry! Just mark the faces you find and send with the coupon right away. This gives you the opportunity to win $2,250.00 First Grand Prize. Someone wins. Maybe you. Mail your answer quick. **Don't delay. Do it today.**

For PROMPTNESS $1,250.00 EXTRA

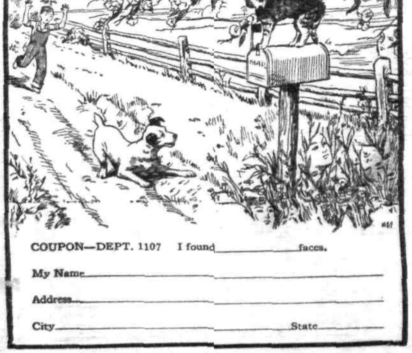
Send answer quick and we will tell how the winner can get $1,250.00 extra cash for promptness.

PARAMOUNT PRODUCTS, INC.
Dept. 1107 **Des Moines, Iowa**

You will receive the Buick 8 Sedan and if prompt, $1,250.00 cash extra, or if all cash is preferred, you get $2,250.00, if you win first prize according to the plan which the answer will bring.

Oh boy! what you could do with $2,250.00 cash all at one time. Think *of the joy of having the money to provide the better things of life. New* clothes, furniture, bills paid, a new home, education, travel, etc. Nothing hard to do now. But act quick.

Hurry—mark the faces you find. Just mail the coupon if you can find ten hidden faces. This gives you the opportunity to win the $2,250.00. **Send your answer quick. Don't delay. Mail your answer today.**



COUPON—DEPT. 1107 I found ________ faces.

My Name ________________

Address ________________

City __________ State ________